SONY

3-207-207-**13**(2)

SONY

Digital Photo Printer

DPP-EX7

Digital Photo Printer

Operating Instructions — GB

Before operating this printer, please read this manual thoroughly and retain it for future reference.

Mode d'emploi — FR

Avant d'utiliser cette imprimante, veuillez lire attentivement ce manuel et le conserver pour toute référence ultérieure.

Manual de instrucciones — ES

Antes de utilizar esta impresora, lea este manual atentamente y consérvelo para consultarlo en el futuro.

MEMORY STICK ™

SUPER COAT 2

digital photo printer

DPP-EX7

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

ATTENTION

Pictures and/or Sound distortion may occur if this product is positioned in close proximity to equipment emitting electromagnetic radiation.

ATTENTION

Sony shall assume no responsibility for any accidental or consequential damages or loss of the recording contents which may be caused by use or malfunction of the printer, "Memory Stick" or PC card.

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to this number whenever you call upon your Sony dealer regarding this product.

Model No. DPP-EX7

Serial No. _____

WARNING

This unit has no power switch.

When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power cord to socket-outlet which must be provided near the unit and easily accessible. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power cord.

For the customers in the U.S.A.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of Fcc Rules.

If you have any questions about this product, you may contact:

Sony's Customer Information Services Center (CISC) at 1-866-328-SONY (7669)

or Sony Web site at www.sony.com

Declaration of Conformity

Trade Name: SONY
Model No.: DPP-EX7
Responsible Party:
Sony Electronics Inc.
Address: 680 Kinderkamarck Road, Oradell NJ 07649 U.S.A.
Telephone No.: 201-930-6972

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

The nameplate is located on the bottom enclosure.

Backup recommendations

To avoid potential risk of data loss caused by accidental operation or malfunction of the printer, we recommend that you save a backup copy of your data.

Information

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When using photo images with this printer, pay special attention not to infringe the provisions of the copyright law. Any unauthorized use or modification of others' portrait may also infringe their rights.

For some demonstrations, performances, or exhibits, photography may be forbidden.

GB

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- "Memory Stick", " ", "Memory Stick PRO" and "MagicGate Memory Stick" are trademarks of Sony Corporation.
- "MagicGate" is the trademark of Sony Corporation.
- This printer uses Exif Print (Exif 2.2) technology.
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The software described herein may also be governed by the terms of a separate user license agreement.

User Registration

To receive customer services, complete and return the registration card included in your package.

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Features

Photo-realistic printing

With its dye sublimation printing system, the digital photo printer DPP-EX7 can make photo-realistic prints meeting a number of different requirements.

Super Coat 2 feature

The Super Coat 2 enables high durability and moisture or fingerprint resistance, keeping your prints in good picture quality for an extended period of time.

Auto Fine Print 2 feature (page 58)

The Auto Fine Print 2 analyses the picture information of an image and corrects it as vivid, clear, and natural picture.

Exif 2.2* (Exif Print) support (page 58)

The printer supports Exif 2.2. When the Auto Fine Print 2 is effective, the printer automatically adjusts an image saved by a digital still camera compatible with the Exif Print standard and then print it with optimal picture quality (for JPEG files only).

Easy stylus operations on the color LCD screen

With the color touch-sensitive LCD screen, you can easily perform the operations with the touch of a stylus and preview the images to be printed. To select an image or an item, just tap the screen lightly with the stylus supplied with your printer. A series of screen-activated operations will navigate you though the printing process.

Selection of print sizes and border/borderless print

You can select from a large, dynamic Post Card (4 x 6 inch) size, 3.5 x 5 inch size print or an economical Small (3.5 x 4 inch) size print. For the Post Card (4 x 6 inch) size and 3.5 x 5 inch size prints, you can also select a print with or without border.

Selection of print finish (page 59)

You can select the print finish from either glossy or texture.

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* Exif (Exchangeable image file format for digital still cameras) Print is a global standard for digital photo printing. A digital still camera supporting Exif Print stores the data relevant to the conditions of shooting as each shot is taken. The printer utilises the Exif Print data stored in each image file to ensure the printed result matches the original shot as closely as possible.

Paper tray allowing bulk printing of 25/30 sheets (page 20)

With the supplied paper tray, you can print up to 25 sheets for Post Card (4 x 6 inch) size and 30 sheets for 3.5 x 5 inch size and Small (3.5 x 4 inch) size print paper at one time.

A wide variety of image processing and adjustments without using a computer (page 30)

A variety of image processing functions allow you to magnify/reduce, rotate, or move the image. You can also enter and overlay characters on an image or add a special effect to the picture to produce sepia, monochrome, or paint pictures. Adjustments of brightness, hue, and other elements of picture quality are possible.

A wider variety of prints of "Memory Stick" or PC card images without using a computer

- You can view the digital still camera images stored in a "Memory Stick" or PC card on the LCD screen without using your computer.
- You can print an image placed with the cursor. You can also select multiple images with specifying the print quantity (page 23).
- All the contained images or all the DPOF (Digital Print Order Format) preset images can be printed at one time (page 28).
- You can print an image with the recorded or saved date (page 59). You can also enjoy a slide show of the images (page 63).
- The Creative Print menu allows you to make even more types of prints such as an original card, calendar, split images, a sticker with framed images, and an index print of the images stored in a "Memory Stick" or PC card (page 36). With the Tool function, you can paste characters, messages, stamps, or drawings onto an image.

For the "Memory Stick", see page 86. For the PC card, see page 89.

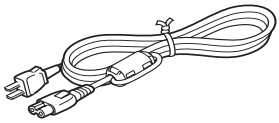
Printing from your computer with a convenient USB connection (page 66)

By connecting the printer and your computer with the USB cable supplied and installing the supplied DPP-EX7 printer driver software on your computer, you can print images from your computer.

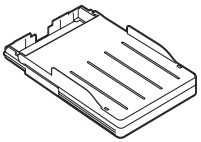
Unpacking the printer

Make sure that the following accessories are supplied with your printer.

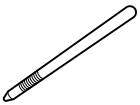
• AC power cord (1)



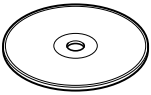
• Paper tray (1)



• Stylus (1)



• CD-ROM (1)



– Sony DPP-EX5/EX7 Printer Driver Software
for Windows® 98/98SE/Me/2000 Professional/XP Home Edition/XP Professional
for MAC OS 8.6/9.0/9.1/9.2/X (v10.1/v10.2)

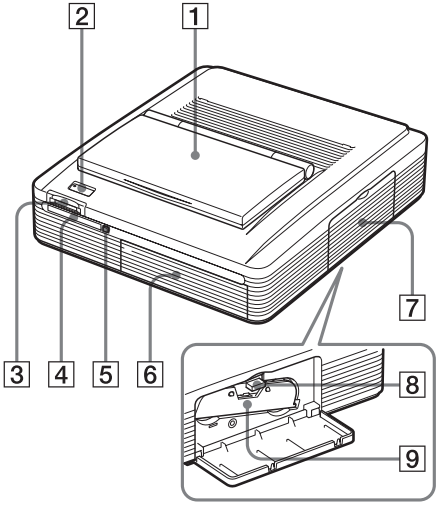
– Operating Instructions

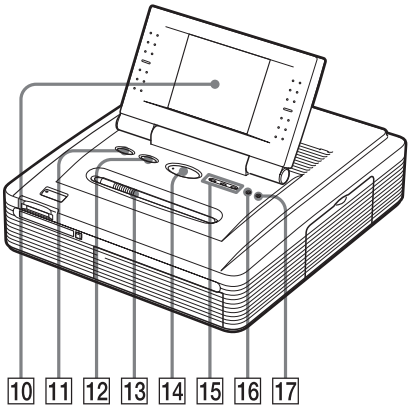
• Cleaning kit (a set of cleaning paper and cartridge) (1)
• Operating Instructions (1)
• Warranty (1)
• Owner registration card (1)
• Sony End User Software License Agreement (1)

Notes

• The AC power cord illustrated is for 120V only. The plug shape and specifications change depending on the region you use the printer.
• Never insert the CD-ROM supplied with the printer into a CD player or other audio player, which may cause serious damage to your ears, speaker system, or earphones, or malfunctions to the audio device.

Identifying the parts





For details, see the pages indicated in the parentheses.

Printer front panel

1 **Operation panel cover**

2 **POWER button (pages 18, 23, 25, 28)**

3 **"MEMORY STICK" insertion slot (page 14)**

4 **PC CARD insertion slot (page 15)**

5 **PC card eject button (page 15)**

6 **Paper tray compartment lid (page 21)**

7 **Cartridge compartment lid (page 18)**

8 **Print cartridge eject lever (page 18)**

9 **Print cartridge (pages 17, 18)**
(Not supplied)

10 **Operation panel (pages 12)**

11 **INPUT SELECT button (page 23)**
Switches the input. (The selected input indicator 15 lights.)

12 **ALL/DPOF button (page 28)**
Each time you press the button, the printing mode switches: ALL (printing all the images → DPOF (printing all the images with the print mark) → normal printing mode

13 **Stylus/stylus slot (page 12)**

14 **PRINT button (pages 24, 26)**

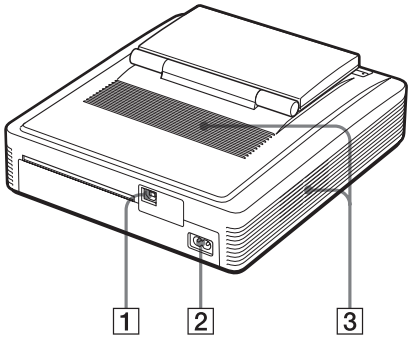
15 **"MEMORY STICK"/PC CARD/PC input indicators (pages 16, 23)**

16 **Paper error indicator (pages 22, 92)**

17 **Cartridge error indicator (page 18)**

Continued

Identifying the parts

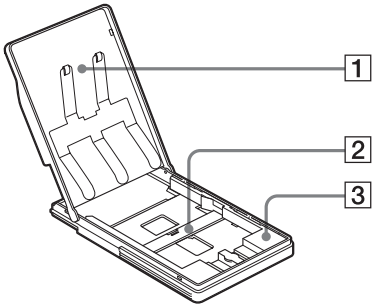


Printer rear panel

1 **USB connector (page 16)**
Connects to the USB connector of your computer.

2 **AC IN connector (page 15)**

3 **Ventilation holes**



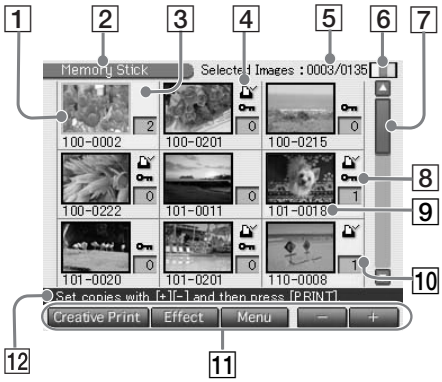
Paper tray

1 **lid (page 20)**

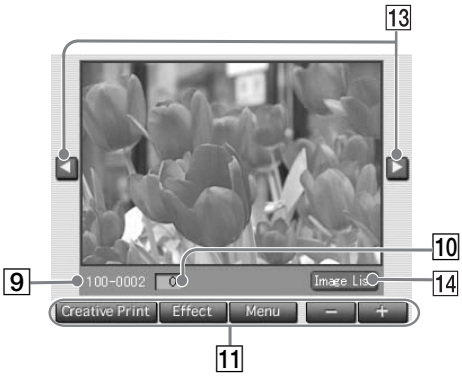
2 **Partition (page 20)**

3 **3.5 x 5 inch paper adaptor (page 20)**
Use the adaptor only when you feed 3.5 x 5 inch size paper into the paper tray.

Image list



Preview image



Screen

1 **Cursor (orange frame)**

2 **"Memory Stick"/PC Card/Printer images indication**
Indicates that the source of the images being displayed.

3 **Selection (yellow background)**

4 **Print mark (DPOF indication)**
Indicates that the image is DPOF preset for printing from a digital still camera.

5 **The quantity of selected images/ the total image quantity**
When no image is selected, only the total image quantity is displayed.

Note

The displayed quantity may differ from the number of images actually saved on a "Memory Stick" or PC card.

6 **Print cartridge indication**
Indicates the type of print cartridge currently loaded:
: Post Card (4 x 6 inch) size
L : 3.5 x 5 inch size
S : Small (3.5 x 4 inch) size

7 **Scroll bar**
Indicates the position of the image currently displayed or selected among the total number of images.

8 **Protect indication**
Indicates that the image is protected by a digital still camera.

9 **Image number**

10 **Print quantity indication**

11 **Operation buttons**

12 **Guidance message**

13 **Scroll buttons**

14 **Image List button**
Returns to the image list.

Using the stylus and operation panel

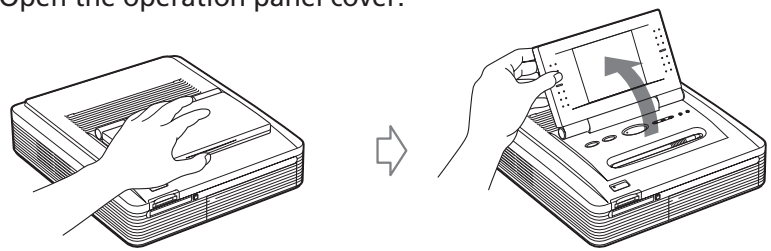
Most operations on the DPP-EX7 are carried out by tapping an item or button on the touchscreen of the operation panel. This section explains how to use the stylus and touchscreen.

Note on the LCD screen

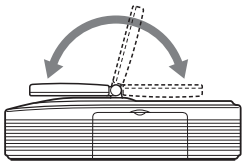
The LCD is manufactured using high-precision technology. You may, however, see brighter points or color shifts on the LCD depending on the viewing angle. This is a normal result of the manufacturing process and does not indicate a malfunction.

Opening the operation panel

Open the operation panel cover.



You can rotate the operation panel up to 180 degrees. Use the panel at an appropriate angle such that you can view the screen clearly and can perform the stylus operations easily.



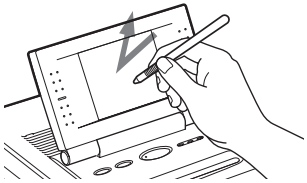
After you finish

- To keep the touchscreen safe and clean, we recommend you close the operation panel after you finish using your printer.
- Keep the stylus in the slot on the panel to prevent it from being lost.
- If the screen becomes soiled, wipe it with a soft dry cloth such as a cloth used to clean your eyeglasses.

Using the stylus

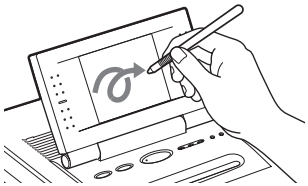
Press lightly on the button, image or item on the operation panel screen using the point of the supplied stylus.

This action is referred to as “tapping” in this manual. Tapping allows you to execute the button function or select an item or image on the screen.



Move the stylus while pressing on an image or item on the operation panel screen using the point of the supplied stylus.

This action is referred to as “dragging” in this manual. Dragging allows you to move an image or item or draw a line on the screen.



Notes

- Always use the point of the supplied stylus for tapping the screen. Never use a real pen, pencil, or other sharp object to write on the screen.
- In case you lost the supplied stylus, contact Sony service facilities.

1 Connecting the printer

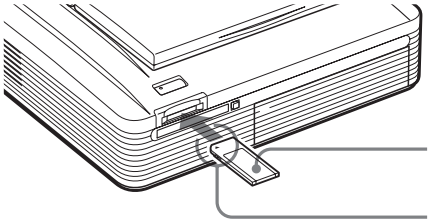
Inserting a “Memory Stick” or PC card

Notes

- Do not attempt to force a “Memory Stick” or a PC card into or out of the slot. If you do, the “Memory Stick” or the PC card or the printer may be damaged.
- When the printer is accessing the “Memory Stick” or PC card and the relevant indicator flashes, do not remove the “Memory Stick” or PC card from the printer. If you do, the “Memory Stick” or the PC card or the printer may be damaged.

Inserting a “Memory Stick”

Insert the “Memory Stick” into the “MEMORY STICK” insertion slot until it clicks into place.



To eject the “Memory Stick”

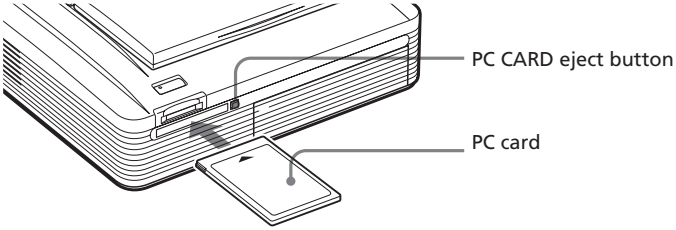
Push the “Memory Stick” further into the insertion slot and let it pop out. Then remove it slowly.

Notes

- Insert the “Memory Stick” only. Do not insert any other objects.
- For the “Memory Stick”, see page 86.

Inserting a PC card

Insert the PC card into the PC CARD insertion slot until it clicks into place.



To eject the PC card

Press the PC CARD eject button. After it pops out, remove it slowly.

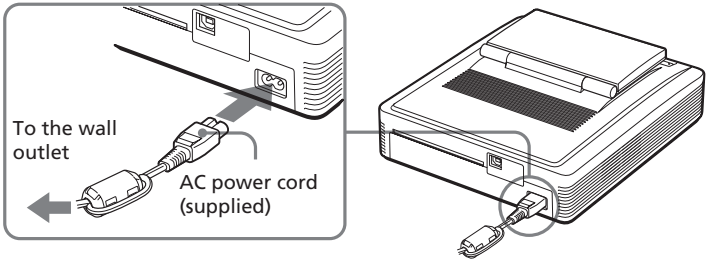
Notes

- Insert the PC card only. Do not insert any other objects.
- For the PC card, see page 89.

Connecting the AC power cord

Connect the supplied AC power cord to the AC IN connector of the printer and then to an AC outlet.

The POWER indicator lights in red.

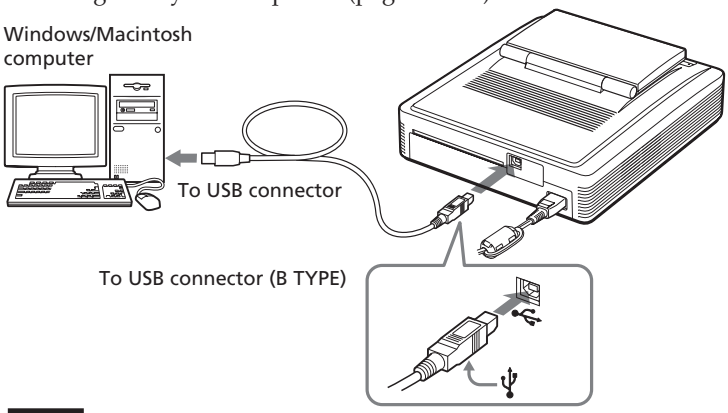


Continued

1 Connecting the printer

Connecting to a computer (optional)

Connect the USB connectors of the printer and your computer (Windows PC or Macintosh) with a commercially available USB cable. By installing the supplied driver software on your computer, you can print an image from your computer. For details on how to install and operate the software, see "Printing from your computer" (pages 66–83).

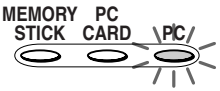


Note

Use a commercially available A-B TYPE USB cable of shorter than 3m in length. The type of a USB cable you should use may change depending on the computer. For details, see the instructions manual of your computer.

When you connect a computer that is already powered on to the USB connector of the printer

The PC input indicator lights and the printer enters the PC mode.



Notes

- Do not remove or connect the USB cable into or from the printer during the data communication or printing. The printer may not work properly.
- During the PC mode, no pictures are displayed on the LCD screen. This is not due to trouble with the printer.
- Refer to the instruction manual of your computer for further information.
- You cannot use the printer and the printer driver on a network or with a commercially available printer buffer.

2 Preparing the printing pack

You need an optional printing pack designed for the printer. The pack contains a set of print paper and a print cartridge for either Post Card (4 x 6 inch) size, 3.5 x 5 inch size, or Small (3.5 x 4 inch) size prints.

Select the printing pack according to the type of printing you intend to do:

Printing pack	Contents
SVM-25LS	25 sheets of Post Card (4 x 6 inch) size photo paper/Print cartridge for 25 prints
SVM-25LW	25 sheets of Post Card (4 x 6 inch) size sticker/Print cartridge for 25 prints
SVM-30MS	30 sheets of 3.5 x 5 inch size photo paper/Print cartridge for 30 prints
SVM-30SS	30 sheets of Small (3.5 x 4 inch) size photo paper/Print cartridge for 30 prints
SVM-30SW	30 sheets of Small (3.5 x 4 inch) size stickers/Print cartridge for 30 prints
SVM-30SW09	30 sheets of Small (3.5 x 4 inch) size 9-split stickers/Print cartridge for 30 prints

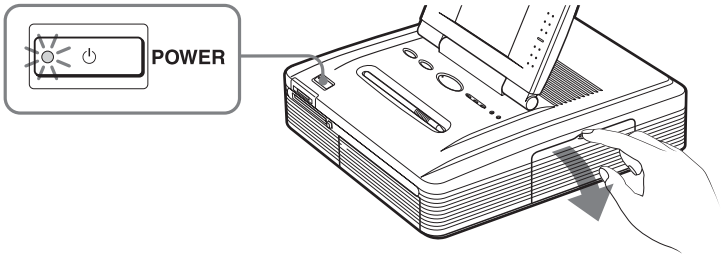
Notes

- To avoid a paper jam or malfunction and to obtain proper printed performances, note the following:
  - **– Do not rewind the ink ribbon and use the rewound print cartridge for printing. Otherwise, proper printing result will not be obtained, or even a breakdown may occur.**
  - – Use the printing pack for this printer only.
  - – Always use the print cartridge designed for the size of the print paper you use. Do not mix cartridges and paper of different types or sizes.
  - – Do not print on the used print paper. Printing an image twice on the same paper will not make the printed image thicker.
  - – Do not remove the backing from sticker print paper before printing.
- For handling and storing the printing pack, not the following:
  - – Do not touch the ink ribbon of the print cartridge or the printing surface of the print paper. Avoid placing the printing pack in locations that are subject to high temperature, high humidity, excessive dust, or direct sunlight. If there are fingerprints or dust on the printing surface or the ink ribbon, the printing quality may deteriorate.
  - – When storing a partially-used pack of the print cartridge and print paper, store it in its original bag or in a similar container.

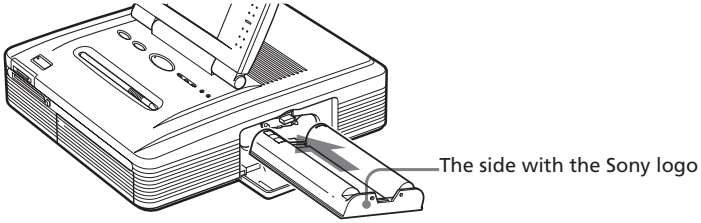
3 Loading the print cartridge

1 Press the POWER button to turn on the printer.
The POWER indicator lights in green.

2 Pull and open the cartridge compartment lid.



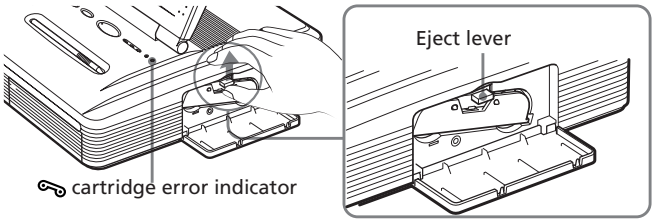
3 Insert the print cartridge into the printer firmly until it clicks into place and close the cartridge compartment lid.



To replace the print cartridge

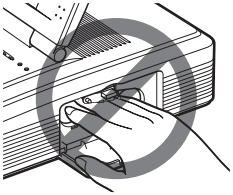
When the print cartridge runs out, the cartridge error indicator lights and an error message appears on the screen.

Open the cartridge compartment lid, push up the eject lever, remove the used print cartridge, and then insert a new cartridge.

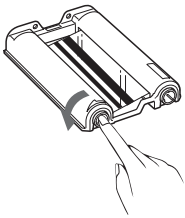


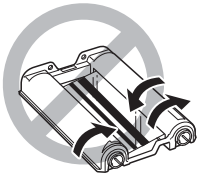
Notes

- Never put your hand into the cartridge compartment. The thermal head reaches high temperatures, especially after repeated printing.



- Do not rewind the ink ribbon and use the rewound print cartridge for printing. Otherwise, proper printing result will not be obtained, or even a breakdown may occur.
- If the print cartridge does not click into place, remove it and then re-insert it. If the ink ribbon is too slack to be loaded, wind the ink ribbon in the direction of the arrow to remove the slack.





- If the print cartridge is not loaded when you turn on the printer, the cartridge error indicator lights up.
- Do not touch the ink ribbon or place the print cartridge in a dusty location. Fingerprints or dust on the ink ribbon may result in imperfect printing.
- Do not change the print cartridge while printing.

Notes on storing the print cartridge

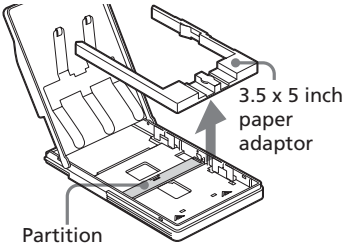
- Avoid placing the print cartridge in a location subject to high temperatures, high humidity, excessive dust or direct sunlight
- When you are going to store a partially-used cartridge, store it in its original bag.

4 Inserting the print paper

1 Open the paper tray lid and set the 3.5 x 5 inch paper adaptor and the partition according to the print paper size you want to use.

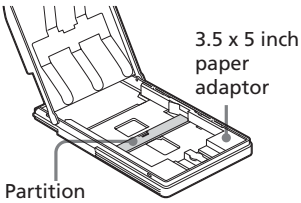
■ **To use Post Card (4 x 6 inch) size print paper**

Remove the 3.5 x 5 inch paper adaptor and leave the partition laid down.



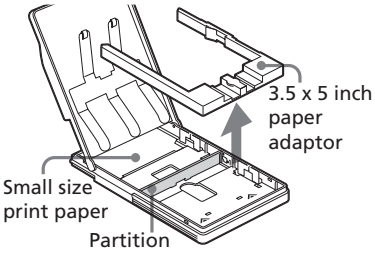
■ **To use 3.5 x 5 inch size print paper**

Leave the 3.5 x 5 inch paper adaptor installed and the partition laid down.



■ **To use Small (3.5 x 4 inch) size paper**

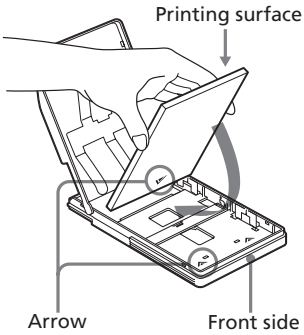
Remove the 3.5 x 5 inch paper adaptor and stand the partition up. The Small (3.5 x 4 inch) size print paper is to be set behind the partition.



2 Set the print paper into the tray.

Riffle the print paper. Then insert the print paper with its printing surface (the side with no imprint) facing up and the arrow pointing in the same direction as the arrow in the tray. Insert the protective sheet together with paper, and then remove it after you have placed the paper.

You can set up to 25 sheets for Post Card (4 x 6 inch) size and 30 sheets for 3.5 x 5 inch size and Small (3.5 x 4 inch) size print paper.

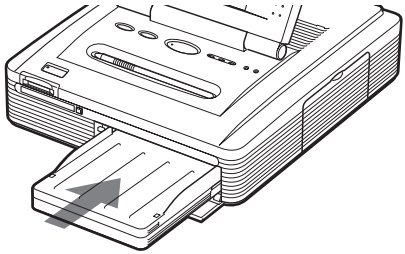


Note

Do not touch the printing surface. Fingerprints on the printing surface may result in imperfect printing.

3 Close the paper tray lid. Then push and open the printer's paper tray compartment lid and insert the paper tray into the printer.

Insert it firmly until it clicks into place.



Continued

4 Inserting the print paper

Notes

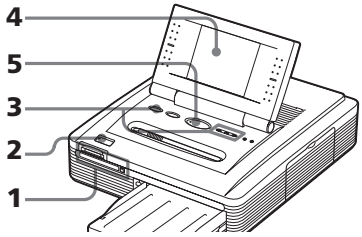
- Do not remove or insert the paper tray during printing.
- If print paper does not feed automatically, the paper error indicator lights. Pull out the paper tray and check for a paper jam.
- To avoid paper jam or malfunction on the printer, note the following:
  - When adding print paper to a partially full tray, make sure that the total number of sheets does not exceed 25 for the Post Card (4 x 6 inch) size or 30 for the 3.5 x 5 inch size and Small (3.5 x 4 inch) size print paper.
  - Do not place different types or sizes of paper in the tray.
  - Do not write or type on the printing surface of the paper before printing. If you want to write greetings or draw on the printed surface after printing, use an oil ink pen.
  - You cannot print on the reverse side of the print paper (ex. the address side of the Post Card (4 x 6 inch) size print paper).
  - Do not print on the used print paper. Printing an image twice on the same paper will not make the printed image thicker.
  - Do not print on the print paper that is ejected from the printer without being printed.
  - Do not attach stickers or anything else on the printing surface before printing.
  - Do not remove the backing from sticker print paper before printing.
  - Do not fold or bend the print paper before printing.
  - Make sure to use the print paper designed for this printer only.

Notes on storing the print paper

- Avoid placing the print paper in a location subject to high temperatures, high humidity, excessive dust or direct sunlight.
- Avoid storing the paper with the printed faces touching each other or in contact with rubber or plastic products including vinyl chloride or plasticizer for an extended period of time; color changes or deterioration of the printed image may occur.
- When you are going to store partially-used print paper, store it in its original bag.

Printing selected images

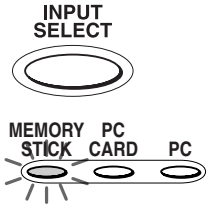
You can select an image recorded in the "Memory Stick" or PC card and print it at full size.



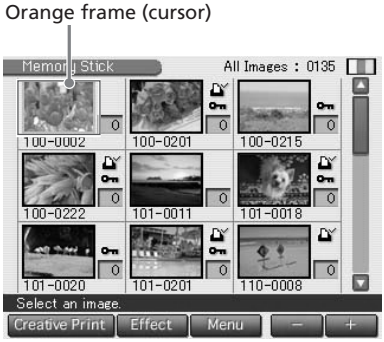
1 Insert a "Memory Stick" or PC card with recorded images into the "Memory Stick" or PC card insertion slot (pages 14, 15).

2 Press the POWER button to turn on the printer.
The POWER indicator lights in green.

3 Press the INPUT SELECT button repeatedly until the "MEMORY STICK" or PC CARD indicator turns on.
The list of the images stored in the "Memory Stick" or PC card is displayed on the screen.



When "MEMORY STICK" is selected.



Displaying the printer images

When the USB connector is disconnected and the "Memory Stick" or PC card is removed from the printer, you can display the images stored in the printer by pressing the INPUT SELECT button. If you press the PRINT button, you can print the displayed image.

Note

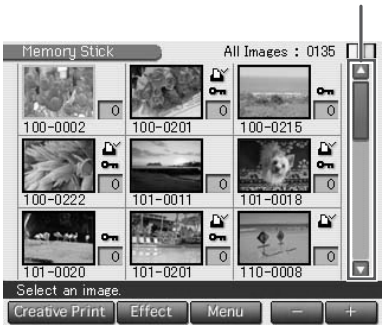
If you do not want to print the image, do not press the PRINT button.

Continued

4 Tap the image you want to print on the screen.

The cursor moves to the tapped image.

Slider and scroll buttons



To display another page

When multiple pages exist, you can switch pages by dragging the slider on the scroll bar downwards or upwards. You can also switch pages by tapping the lower or upper part of the scroll bar or the scroll buttons [▼]/[▲] repeatedly.

5 Press the PRINT button.

Printing starts. During printing, the PRINT indicator lights. The printing process bar and the approximate remaining time are displayed on the screen. For notes during or after printing, see page 27.

To stop printing

Tap [Cancel] on the screen.

6 When printing ends and the print paper automatically emerges from the paper outlet, remove the printed paper from the printer.

To display a preview image

Move the cursor to an image that you want to view in full screen and tap on the image again. A preview of the selected image is displayed.

To display a preview of different images, tap the scroll buttons [◀]/[▶] repeatedly. To display the image list again, tap [Image List].

To print the previewed image

To print a copy of the previewed image, press the PRINT button. To print multiple copies, tap [+] until the desired print quantity is displayed and then press the PRINT button. To reduce the print quantity, tap [–].

Notes

- While the printer is accessing the "Memory Stick" or a PC card, do not eject the "Memory Stick" or PC card. Otherwise, they may crash.
- The displayed image on the screen is not identical in picture quality and colors with the printed image because phosphor methods or profiles differ. Please regard the displayed image as just a reference.

Printing multiple images

1 Insert a "Memory Stick" or PC card with recorded images into the "Memory Stick" or PC card insertion slot (pages 14, 15).

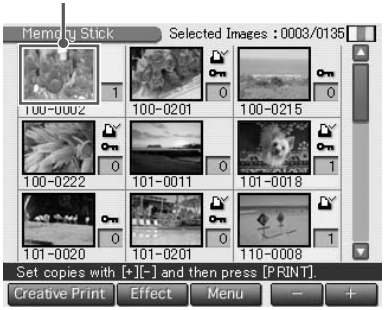
2 Press the POWER button to turn on the printer.
The POWER indicator lights in green.

3 Press the INPUT SELECT button repeatedly until the "MEMORY STICK" or PC CARD indicator turns on.
The list of the images stored in the "Memory Stick" or PC card is displayed on the screen.

4 Tap the image you want to print on the screen.
The cursor moves to the tapped image.

5 Tap [+].
The image is selected and its background turns to yellow. The print quantity becomes "1."

Selected image with yellow background



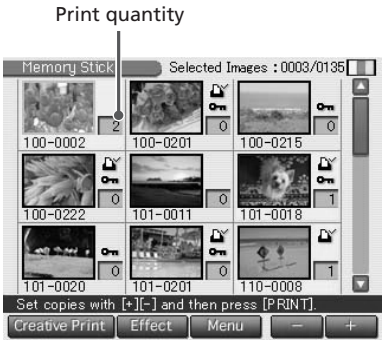
To cancel the selection

Tap [–] repeatedly until the print quantity becomes "0." The background turns yellow to gray and the selection is canceled.

Continued

6 Tap [+] or [–] to set the number of copies to be printed.

Each time you tap [+] or [–], the print quantity increases or decreases. You can set the print quantity from 0 to 30.



To print multiple images

Repeat steps 4 through 6 to select other images and set the desired print quantity for each of them.

7 Press the PRINT button.

Printing starts. During printing, the PRINT indicator lights. The printing process bar and the approximate remaining time are displayed on the screen.

When you start printing while the preview image is displayed

Only the preview image is printed.

To stop printing

Tap [Cancel] on the screen. Printing will be canceled from the next print.

8 When printing ends and the print paper automatically emerges from the paper outlet, remove the printed paper from the printer.

To edit or process an image

In the image list or preview image screen, tap [Effect] to zoom in and out an image, move it, adjust the picture quality, or add an special filter to an image (page 30).

To make a Creative Print of an image

In the image list or preview image screen, tap [Creative Print] to make an original card, calendar, split images, or stickers (page 36).

Notes

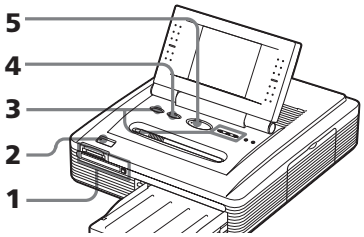
- When the “MEMORY STICK” or PC CARD indicator blinks or the data access message appears, do not eject the “Memory Stick” or PC card. Otherwise, it may crash.
- While printing, never move or turn off the printer; the print cartridge or paper may become stuck. If this happens, turn the printer off and on, and resume printing from the beginning.
- While printing, the print paper is partially ejected from the paper outlet in stages. Never pull out the paper forcibly until the PRINT indicator turns off and the print paper emerges automatically.
- When the width or height of an image is smaller than 480 dots, the image is displayed in a small size. You can print the image but the printing quality is rough due to its small image size.

- An image without thumbnail data, such as those created with a computer application, is displayed as the mark shown right. If you select the mark and the preview image is displayed, you can print the image. If you cannot print, see “Troubleshooting” on page 90.

- Once you have selected images in the “Printing multiple images” procedures, you cannot print an image with the cursor that is not selected.
- The time required to display a preview image differs depending on the number of files contained in a “Memory Stick” or PC card, image size, or the file type.
- The time required to display the image list differs depending on the number of files contained in a “Memory Stick” or PC card, image size, file type or the digital still camera type.
- The printer cannot display the images saved in a folder of forth or higher hierarchy.
- The image number displayed in the screen is the same as those displayed in your digital still camera. For a file created with a computer application, the first 8 characters of its file name will be displayed as its image number with the printer.
- When you name or rename an image file on your computer and its file name includes characters other than alphanumeric characters, the file name may not be displayed correctly or the image may not be displayed (read error) on the printer.
- Do not leave more than 20 sheets of the ejected printed paper on the paper tray.
- When using your printer in low ambient temperatures, the black lines may be displayed on the LCD display, which is not of a printer’s malfunction. You can print an image without problem.

Printing all the images or DPOF preset images at one time

You can print all the images stored in a "Memory Stick" or PC card at one time. You can also print all the images with the print mark ( ) in the image list that are DPOF (Digital Print Order Format) preset for printing with your digital still camera.



Notes

- For how to preset images for printing, see the manual of your digital still camera.
- Some types of digital still cameras do not support the DPOF function or the printer does not support part of the functions of the digital still camera.

1 Insert a "Memory Stick" or PC card with recorded images into the "Memory Stick" or PC card insertion slot (pages 14, 15).

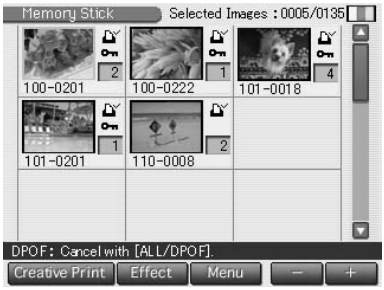
2 Press the POWER button to turn on the printer.
The POWER indicator lights in green.

3 Press the INPUT SELECT button repeatedly until the "MEMORY STICK" or PC CARD indicator turns on.
The list of the images stored in the "Memory Stick" or PC card is displayed on the screen.

4 Press the ALL/DPOF button to select the printing mode.
Each time you press the button, the printing mode changes as follows:
ALL printing mode ➡ DPOF printing mode ➡ normal printing mode

When you select the ALL printing mode, all the images in the image list are displayed with yellow backgrounds.

When you select the DPOF printing mode, only the preset images with the print mark are displayed with yellow background.



When you select DPOF.

5 Press the PRINT button.

Printing starts. When you select the ALL printing mode, all the images in the "Memory Stick" or PC card are printed one by one in the order of their image numbers. When you select the DPOF printing mode, all the DPOF preset images are printed in the order they were displayed.

Note

When you select the ALL printing mode, the print quantity is automatically set to one copy and you cannot set the print quantity.

To stop printing

Tap [Cancel] on the screen. Printing will be canceled from the next print.

6 When printing ends and the print paper automatically emerges from the paper outlet, remove the printed paper from the printer.

For notes during or after printing, see page 27.

Tip

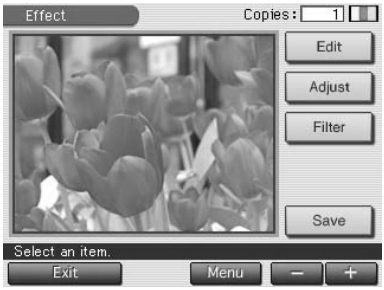
Even if a smaller number of sheets of print paper than the print quantity are installed in the paper tray, you can proceed with printing. If a message appears, follow the instructions on the screen to replace the printing pack and proceed with printing.

Adding effects to an image (Effect)

What you can do with the Effect menu

The Effect menu allows you to edit, adjust or add special filters to an image that is positioned with the cursor in the image list or displayed in the preview screen.

To display the main Effect menu, tap [Effect] below the image list or preview screen:



Tap the desired item to display the sub menu screen to edit, adjust, or add special filter to an image.

Item	Functions
Edit	Enlarges, reduces, moves or rotates an image. **(Page 32)**
Adjust	Adjusts the brightness, saturation, tint, and sharpness of an image. **(Page 33)**
Filter	Adds a special filter to an image to print it like painted pictures, in sepia, or in monochrome. **(Page 35)**
Save	Displays the dialog box to save the edited image as an new image.

To return to the previous procedure and redo the operation

Tap [Back]. The screen returns to the preceding procedure; do the procedure again.

To print the edited image

Tap [+] or [–] to set the copies to be printed and then press the PRINT button. The currently displayed image will be printed. To cancel printing, tap [Cancel] in the screen. When multiple copies are printed, printing from the next print will be canceled.

To save the image with the selected effects

You can save the edited image as a new image in the "Memory Stick" or PC card. The original image remains as it is.

1 Tap [Save].

A dialog box to choose the destination where you save an image either from "Memory Stick" or PC card is displayed.

2 Tap the desired media to save an image.

The edited image is saved as a new image with a new image number. When saving completes, the new image number is displayed.

3 Tap [OK].

The image is saved in JPEG format without regards to the original image file format.

To change the printer settings midway

Tap [Menu]. The Menu screen is displayed and you can change the printer settings (page 57).

To exit the Effect menu

Tap [Exit]. When you have edited an image, the confirmation dialog box for saving the image is displayed. Tap [Yes] to proceed with the saving procedures mentioned above or [No] to abandon edition and exit the Effect menu. Tap [Cancel] to return to the Effect menu.

Notes

- It may take longer to process an edited image after you press the PRINT button.
- Do not remove the "Memory Stick" or PC card while in the Effect mode. If you do, the Effect mode ends forcibly and any editing you have done is canceled.
- While saving the image, do not turn off the power or remove the "Memory Stick" or PC card from the insertion slot. The "Memory Stick" or PC card may be damaged.
- If the "Memory Stick" or PC card is in write protect status, you cannot save an image in the "Memory Stick" or PC card.
- If an extremely oblong image is edited, margins may appear in the upper or bottom parts of the image.
- For the "Memory Stick", see page 86. For the PC card, see page 89.

Changing the image size and position

The Edit sub menu allows you to enlarge, reduce, rotate, or flip an image.

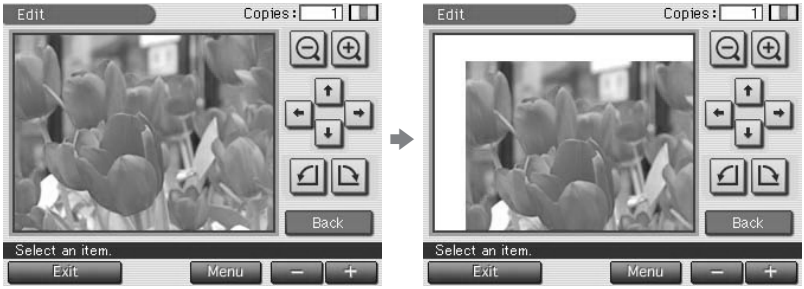
1 Move the cursor to the desired image in the image list or tap it again to display its preview.

2 Tap [Effect].
The Effect menu is displayed (page 30).

3 Tap [Edit].
The Edit sub menu is displayed.

4 Tap the desired item to edit the image.

Items	Procedures
⊖/⊕	Each time you tap ⊕ or ⊖, the image is enlarged or reduced. (When it reaches to its maximum or minimum size, an image will not be enlarged or reduced any further.)
↑/↓/←/→	Tap ↑/↓/←/→ to move the image in the desired direction. You can also drag the image in the preview to the desired direction.
↺/↻	Each time you tap ↺/↻, the image rates 90° counterclockwise or clockwise.



When you move an image

Note

The picture quality of an enlarged image may be deteriorated depending on the size of the image.

5 Tap [Back].

The Effect menu is displayed again. You can select another Effect sub menu, save or print the image, or exit the Effect menu (pages 30-31).

Adjusting the picture quality

The Adjustment sub menu allows you to adjust brightness, saturation, tint, or sharpness levels of the image pictures.

1 Move the cursor to the desired image in the image list or tap it again to display its preview.

2 Tap [Effect].

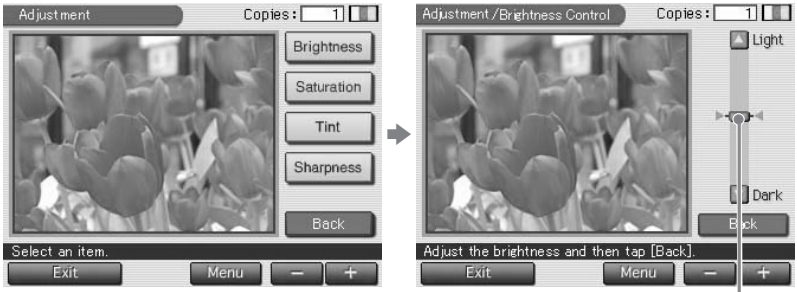
The Effect menu is displayed (page 30).

3 Tap [Adjust].

The Adjustment sub menu is displayed.

4 Tap the desired adjustment item.

The adjustment screen of the selected item is displayed.



When you tap [Brightness]

Slider

Continued

5 Drag the slider upwards or downwards, or tap the upper or lower part or [▼]/[▲] on the scroll bar repeatedly to adjust the image.

Items	Procedures
Brightness	Move the slider upwards to brighten the image or downwards to darken the image.
Saturation	Move the slider upwards to deepen the colors of the image or downwards to lighten the colors of the image.
Tint	Move the slider upwards to make the image reddish or downward to make the image bluish.
Sharpness	Move the slider upwards to sharpen the outlines of the image or downwards to weaken the outlines of the image.

Note

The picture quality of the image being displayed on the screen may differ from that of the printed image.

6 Tap [Back] .

The Adjustment sub menu is displayed again. You can select another adjustment item to proceed with further adjustments.

7 Tap [Back].

The main Effect menu is displayed again. You can select another Effect sub menu, save or print the image, or exit the Effect menu (pages 30-31).

Adding a special filter to an image

The Filter sub menu allows you to add a special effect to an image to print in monochrome, paint, or sepia tone.

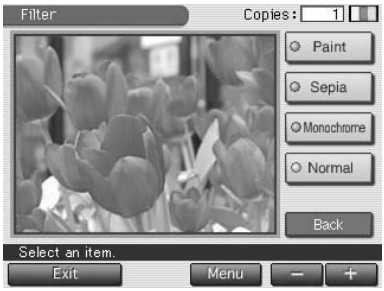
1 Move the cursor to the desired image in the image list or tap it again to display its preview.

2 Tap [Effect].

The Effect menu is displayed (page 30).

3 Tap [Filter].

The Filter sub menu is displayed.



4 Tap a filter you want to add to an image.

Items	Filters
Paint	Makes the image look like a painted picture.
Sepia	Makes the image look like an old photograph with faded colors.
Monochrome	Makes the image into a monochrome picture.
Normal	Adds no filter to an image. Removes any added filter(s) and resets to the original image.

Note

The picture of the image being displayed on the screen may differ from that of the printed image.

5 Tap [Back].

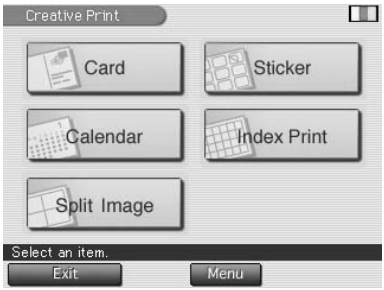
The main Effect menu is displayed again. You can select another Effect sub menu, save or print the image, or exit the Effect menu (pages 30-31).

Making various prints (Creative Print)

What you can do with the Creative Print menu

The Creative Print menu allows you to make a variety of prints.

To display the Creative Print top menu, tap [Creative Print] below the image list or preview screen:



Tap the desired item and make a card, calendar, split image, sticker or index print.

Items	Functions
Card	Adds a selected message and input characters to make an original card. **(Page 38)**
Calendar	Add a calendar of selected month(s) to an image or images to make an original calendar. **(Page 41)**
Split Image	Makes 2-, 4-, 9-, 13-, or 16-split images prints. **(Page 43)**
Sticker	Makes a 9-split framed image sticker. **(Page 44)**
Index Print	Makes an index print of all the images stored in the "Memory Stick" or PC card. **(Page 46)**

To add pictures or characters to an image (Tool)

For all the Creative Print sub menus except for the Index Print, you can tap [Tool] in a preview screen to display the Tool screen. In the Tool screen, you can add drawings, stamps, characters, cut out images or messages to an image (page 48).

To return to the previous procedure and redo the operation

Tap [Back]. The screen returns to the preceding procedure; do the procedure again.

To print the edited image

Tap [+] or [–] to set the copies to be printed and then press the PRINT button. The currently displayed image will be printed. To cancel printing, tap [Cancel] in the screen. When multiple copies are printed, printing from the next print will be canceled.

To save the Creative Print image

You can save the edited image as a new image in the "Memory Stick" or PC card. The original image remains as it is.

1 Tap [Save].

A dialog box to choose the destination where you save an image either from "Memory Stick" or PC card is displayed.

2 Tap the desired media to save an image.

The edited image is saved as a new image with a new image number. When saving completes, the new image number is displayed.

3 Tap [OK].

The image is saved in JPEG format without regards to the original image file format.

To change the printer settings midway

Tap [Menu]. The Menu screen is displayed and you can change the printer settings (page 57).

To exit the Creative Print menu

Tap [Exit]. When you have edited an image, the confirmation dialog box for saving the image is displayed. Tap [Yes] to proceed with the saving procedures mentioned above or [No] to abandon edition and exit the Creative Print menu. Tap [Cancel] to return to the Creative Print menu.

Notes

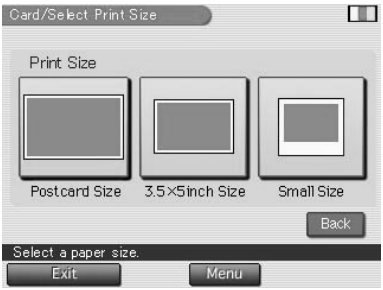
- While saving the image, do not turn off the power or remove the "Memory Stick" or PC card from the insertion slot. The "Memory Stick" or PC card may be damaged.
- If the "Memory Stick" or PC card is in write protect status, you cannot save an image in the "Memory Stick" or PC card.
- For the "Memory Stick", see page 86. For the PC card, see page 89.

Making a card

You can add a selected and your input messages to images and make an original card like the one shown on the right.

1 Tap [Card] in the Creative Print top menu (page 36).

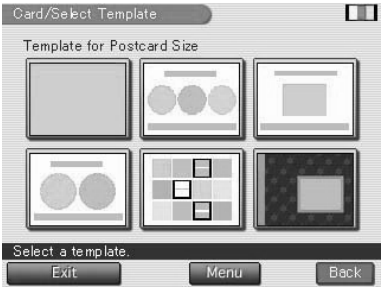
The print size selection screen is displayed. Select the print paper size you want to use.



2 Tap the desired paper size icon.

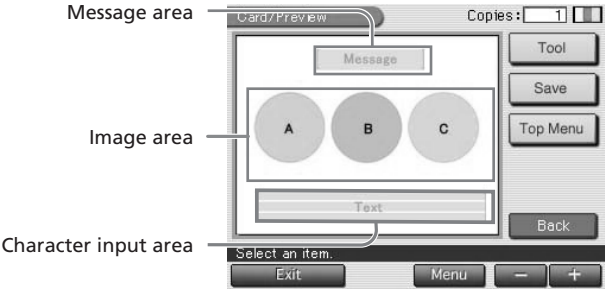
The screen used for selecting a template of the selected paper size is displayed.

When you select “Postcard Size”



3 Tap the desired template.

A preview of the selected template is displayed.



4 Tap each area on the preview to enter a message, image(s), or characters.

You can choose them in any order.

■ Entering a message

① Tap the message area.

The screen used for selecting a message is displayed.

To change the message color

The messages are printed in the color displayed in the [Select Color]. To change the color, tap [Select Color] to display the color selection window. Tap the desired color.

② Tap the desired message.

A preview is displayed. The selected message is displayed in the message area in the selected color.

■ Selecting an image

When you select a template with multiple images, select an image for each image area.

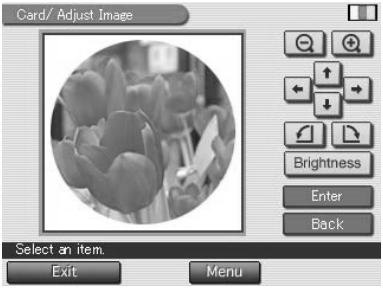
① Insert a "Memory Stick" or PC card into the printer and tap an image area.

The image list used for selecting an image is displayed.

Continued

② Tap the desired image.

The screen used to adjust the image size, position, angle, and brightness is displayed.



③ Tap the desired adjustment button and make your adjustments.

Items	Procedures
⊖/⊕	Each time you tap ⊕ or ⊖, the image is enlarged or reduced. (When it reaches to its maximum or minimum size, an image will not be enlarged or reduced any further.)
↑/↓/←/→	Tap ↑/↓/←/→ to move the image in the desired direction. You can also drag the image in the preview to the desired direction.
↺/↻	Each time you tap ↺/↻, the image rotates 90° counterclockwise or clockwise.
Brightness	The brightness adjustment slider is displayed. Drag the slider upwards to brighten the image or downwards to darken the image. You can also move the slider by tapping upper/lower part or [▼]/[▲] on the scroll bar. To fix the adjustment and return to the image adjustment screen, tap [Enter].

④ Tap [Enter].

A preview image is displayed. The selected image is displayed in the image area. When you choose a template with multiple images, repeat steps ① through ④ to select the remaining image(s) for each image area.

■ Entering characters

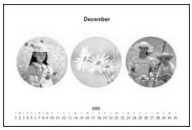
When you choose a template with characters, you can enter characters. Tap the character input area to display the character input screen. For how to input characters, see “Typing characters” on page 50.

5 Check the preview.

You can print or save the created image (pages 36-37).

Making a calendar

You can add a selected calendar to an image or images to make an original calendar.



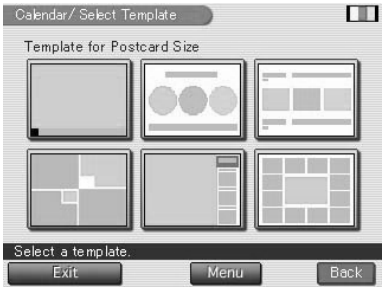
1 Tap [Calendar] in the Creative Print top menu (page 36).

The print size selection screen is displayed (page 38).

2 Tap the desired paper size icon.

The screen used for selecting a calendar template for the selected print paper size is displayed.

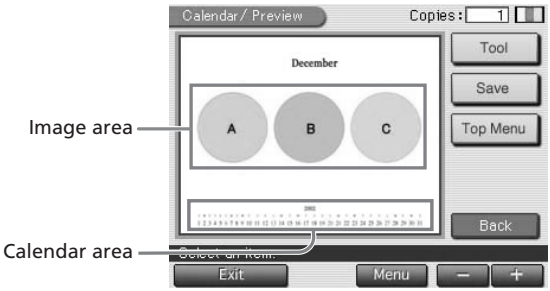
When you select "Postcard Size"



Continued

3 Tap the desired template.

A preview of the selected template is displayed.



4 Tap each area on the preview to set the calendar and add image(s).

You can choose them in any order.

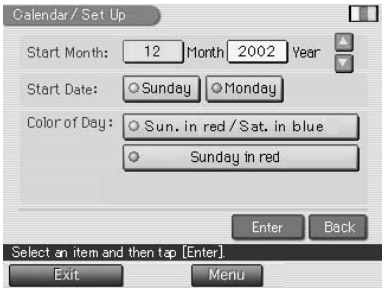
■ Selecting an image

Tap the image area to select and adjust an image. For details, see “Selecting an image” on pages 39-40.

■ Setting the calendar

① Tap the calendar area.

The screen used for setting the calendar is displayed.



② In the “Start Month” line, set the month and year to start the calendar.

Tap the month box and tap [▲]/[▼] to set the month. Set the year in the same way.

③ In the “Start Date” line, set the day starting the week (placed furthest left in the calendar).

Tap [Sunday] or [Monday].

④ In the “Color of Day” line, set the color of the days.

Tap [Sun.in red/Sat.in blue] (Sundays in red/Saturdays in blue) or [Sunday in red].

⑤ Tap [Enter].

A preview of the calendar is displayed. The selected calendar is displayed in the calendar area.

5 Check the preview.

You can print or save the created image (pages 36-37).

Making a split print

You can make a print with 2-split, 4-split, 9-split, 13-split, or 16-split images.

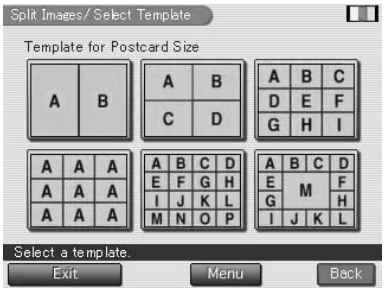
4-split images

1 Tap [Split Image] in the Creative Print top menu (page 36).

The print size selection screen is displayed (page 38).

2 Tap the desired paper size icon.

The screen for selecting the split image template for the selected print paper size is displayed.

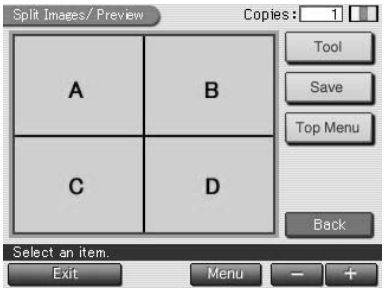


When you select "Postcard Size"

Continued

3 Tap the desired template.

The preview of the selected template is displayed.



4 Insert a "Memory Stick" or PC card into the printer and tap an image area.

When you choose a template with multiple images, you can select from any image area.

5 Select and adjust an image.

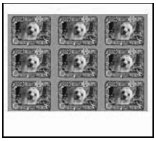
For details on selecting and adjusting an image, see "Selecting an image" on pages 39-40.

6 Check the preview.

You can print or save the created image (pages 36-37).

Making a sticker

You can add a frame to each of the 9-split images to make a 9-split image sticker.

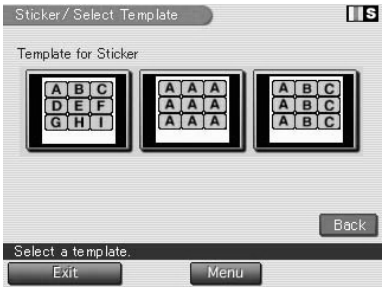


Note

To make a 9-split image sticker, you can use the Small (3.5 x 4 inch) size print paper only. Before making a sticker, make sure to feed the Small (3.5 x 4 inch) size 9-split sticker print paper (SVM-30SW09) into the printer.

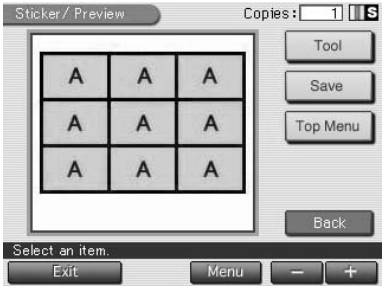
1 Tap [Sticker] in the Creative Print top menu (page 36).

The screen used for selecting a sticker template for the Small (3.5 x 4 inch) size print paper is displayed.



2 Tap the desired 9-split template.

A preview of the selected template is displayed.

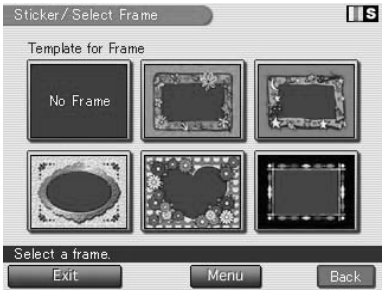


3 Tap an image area.

When you choose a template with multiple images, you can select from any image area. The screen used for selecting a frame is displayed.

4 Insert a "Memory Stick" or PC card into the printer and then tap the desired frame.

The screen used for selecting an image is displayed.



5 Tap the desired image.

The image is displayed with the frame. The image adjustment screen is displayed.

6 Adjust the framed image and then tap [Enter].

For how to adjust an image, see page 40.

7 Repeat steps 3 through 6 to add and adjust framed image(s) to the remaining image area(s).

8 Check the preview.

You can print or save the created image (pages 36-37).

Making an index print

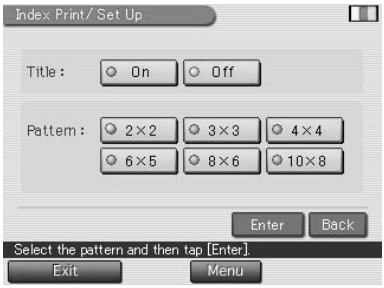
You can make an index print of the images in the “Memory Stick” or PC card. You can also enter a title of the index print.

1 Tap [Index Print] in the Creative Print top menu (page 36).

The print size selection screen is displayed (page 38).

2 Tap the desired paper size icon.

The window for selecting title and print pattern is displayed.



When you select “Postcard Size”

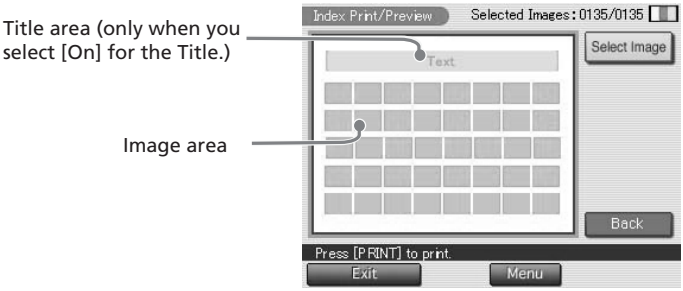
3 In the Title line, tap either [On] to add a title or [Off] to add no title.

4 Tap the desired print pattern.

Patterns differ depending on the paper size and whether you input a title or not. When you select [10 x 8], for example, 10 (horizontally) by 8 (vertically) images are printed on a sheet of print paper.

5 Tap [Enter].

The preview of the selected pattern is displayed.



6 Tap each area on the preview to enter a title and image(s).

You can choose them in any order.

■ Entering a title

When you choose [On] for the Title, you can enter characters as a title. Tap the title input area to display the character input screen. For how to input characters, see "Typing characters" on page 50.

■ Selecting an image

All the images are by default selected. You can print all the images or selected images only.

- To print all the image stored in a "Memory Stick" or PC card, do not tap the image area but skip to step 7.
- To print only selected images, tap the image area to display the image selection window. Tap and cancel the selection of the images that you do not want to print. Tap [Back] to return to the preview screen.

7 Check the preview and press the PRINT button.

The index list of the "Memory Stick" or PC card images is printed in the selected pattern. Each image is printed with corresponding image number. When the title is input, title is also printed. When "Date Print" is selected, the date (year, month and day) when the image is taken or saved is also printed with the image.

To stop printing

Tap [Cancel] in the screen. When multiple copies are printed, printing from the next print will be canceled.

Notes

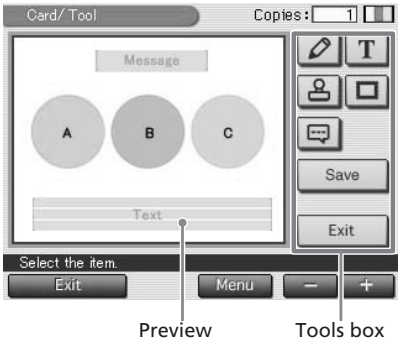
- You cannot print the images that are not displayed as thumbnails in the image list because they are damaged or for some other reason.
- The shot date is printed only when an image is a JPEG file recorded in the DCF (Design rule for Camera File system) format. To make a print with the shot date, please shoot an image in the JPEG file format.

Adding pictures or characters to an image (Tool)

For all the Creative Print sub menus except for the Index Print, you can tap [Tool] in a preview screen to display the Tool screen. The Tool screen allows you to add pictures and characters to the desired position on an image. In each Creative Print sub menu, the same character input screen as in the Tool screen appears.

1 Tap [Tool] in the Creative Print preview screen.
The Tool screen is displayed.

2 Tap the desired tool in the Tools box and draw freehand lines, put on stamps, input characters, add cut out images, or add messages in the preview.



Icons	Tools	Functions
	Pencil	Displays the pencil screen to draw freehand line art on the preview. **(Page 49)**
T	Type	Displays the character input screen to enter characters to be added to the preview. **(Page 50)**
	Stamp	Displays the stamp selection screen showing stamps to be pasted to the preview. **(Page 53)**
	Cut out	Displays the shape selection screen to paste a selected image with or without cut. **(Page 54)**
	Message	Displays the message selection screen showing messages to be pasted to the preview. **(Page 55)**
Save		Displays the dialog box to choose the destination media where you save the edited image.
Exit		Returns to the screen displayed before the Tool screen is displayed.

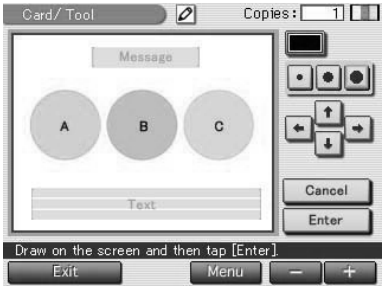
For printing, saving and other operations, see pages 36 and 37.

Drawing freehand line art ( )

You can use the pencil tool to draw freehand line art on the preview.

1 In the Tool screen (page 48), tap (Pencil tool).

The pencil tool screen is displayed.



2 To select the color for the pencil drawings, tap (Color).

The color selection screen is displayed.

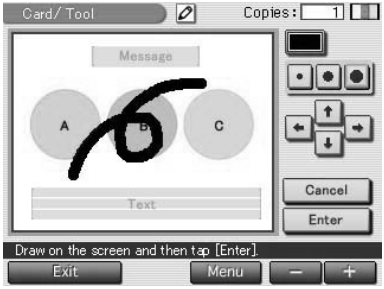
3 Tap the desired color box.

The color tapped is selected and the color selection screen is closed.

4 To select the stroke weight for the pencil drawings, tap (thin), (medium), or (thick).

5 Tap and draw a freehand line on the preview.

The line formed from the point you start drawing to the point you lift the stylus becomes a stroke.



■ To erase the drawing

Tap [Cancel]. The drawing just made is erased from the preview.

■ To move the drawing

Tap ↑/↓/←/→ to move the drawing in the desired direction.

Note

There may be restrictions on length of a line or/and number of lines. If this occurs, a warning beep sounds.

Continued

6 Tap [Enter].

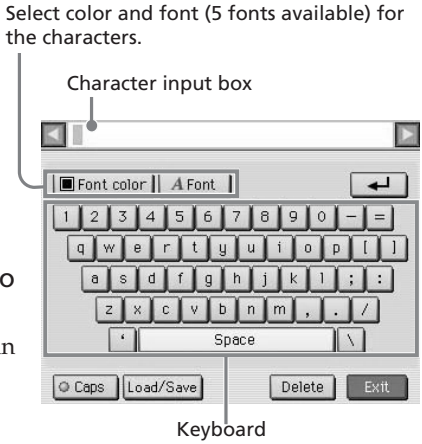
The drawing you made is fixed and pasted to the preview. The Tool top screen is displayed. You can use another tool, print the created image, or save it (page 48).

Typing characters (T)

You can use the type tool to input the maximum of 5 lines of characters to be pasted to the preview.

1 In the Tool screen (page 48), tap T (Type tool). Or in a Creative Print preview screen, tap the character input area.

The character input screen is displayed.



2 Tap the characters you want to input in the keyboard.

The tapped characters are entered in the input box.

■ To select a capital letter

Tap [Caps] to display the capital characters keyboard. Then tap the desired character. To enter a small letter, tap [Caps] again.

■ To select the font

The characters are input in the font displayed next to [Font]. To select a different font, tap [Font] until the desired font is displayed:

ABCDEFGHIJK
ABCDEFGHIJK
ABCDEFGHIJK
ABCDEFGHIJK
ABCDEFGHIJK

■ To select the color

The characters are input in the color displayed in [Font color]. To select a different color, tap [Font color] to display the color selection screen. Then tap the desired color box.

■ To change lines

Tap ↵ to enter the next line. To return to the previous line, tap [◀] in the side of the character input box repeatedly until the previous line is displayed. To move to the next line, tap [▶] in the side of the character input box repeatedly until the next line is displayed.

■ To enter a message

The maximum of 200 characters that you frequently use can be registered as a message. You can register and load three messages as follows:

① Enter up to 200 characters in the input box that you want to register as a message.

② Tap [Load/Save].

The dialog box to register and save messages is displayed.

③ Tap [Save].

The message selection screen is displayed.

④ Tap the message as which you want register the characters.

The characters are saved as the selected message.

To insert the message in the input box, tap the space in the text box where you want to enter the message and then tap [Load/Save]. Tap [Load] and then tap the desired message. The selected message is inserted in the character input box.

■ To delete or change characters in the input box

• To delete a character before the cursor

Tap [Delete]. To delete a character in the middle of the input box, tap the space after the character you want to delete and then tap [Delete]. Each time you tap [Delete], the character before the cursor is deleted.

• To insert characters in the input box

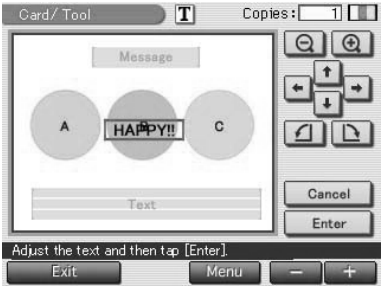
Tap the position you want to insert characters in the input box. Then enter characters.

Continued

3 Tap [Exit].

The character input screen is closed and the input characters are pasted onto the preview.

4 Adjust the size, position and angle of the characters.



Items	Procedures
⊖/⊕	Each time you tap ⊕ or ⊖, the characters are enlarged or reduced. (When they reach to their maximum or minimum size, the characters will not be enlarged or reduced any further.)
↑/↓/←/→	Tap ↑/↓/←/→ to move the characters in the desired direction. You can also drag the characters in the preview to the desired direction.
↺/↻	Each time you tap ↺/↻, the characters rotate 90° counterclockwise or clockwise.
Cancel	The input characters are erased and the Tool top screen is displayed again.

5 Tap [Enter].

The characters are fixed to the preview. The Tool top screen is displayed. You can use another tool, print the created image, or save it (page 48).

Note

Once you tap [Enter], you cannot move or delete the characters.

Pasting stamps ( )

You can use the stamp tool to paste a selected stamp to the preview.

1 In the Tool screen (page 48), tap (Stamp tool).

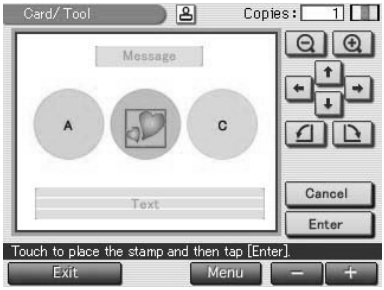
The stamp selection screen is displayed.

2 Tap the desired stamp.

The tapped stamp is selected and the stamp selection screen is closed.

3 Tap on the preview image where you want to paste the stamp.

The selected stamp is pasted onto the preview.



4 Adjust the size, position and angle of the stamp.

For how to adjust the stamp, see the step 4 in page 52.

5 Tap [Enter].

The stamp is fixed to the preview. The Tool top screen is displayed. You can use another tool, print the created image, or save it (page 48).

Note

Once you tap [Enter], you cannot move or delete the stamp.

Continued

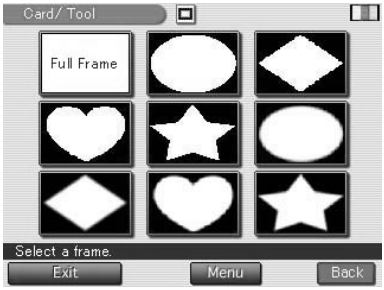
Making various prints (Creative Print)

Pasting cut out images ( )

You can use the cut out tool to paste a selected image with or without cut.

1 In the Tool screen (page 48), tap (Cut out tool).

The shape selection screen is displayed.

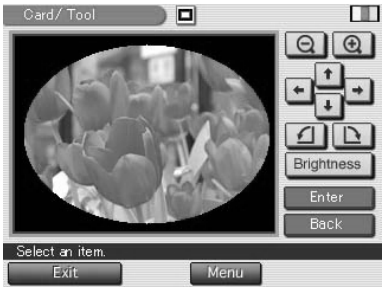


2 Insert a "Memory Stick" or PC card into the printer and tap the desired shape.

The image list used for selecting an image is displayed.

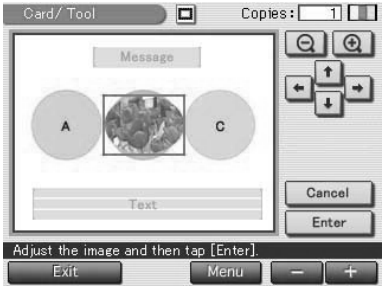
3 Tap the desired image.

The image is displayed in the selected shape. The image adjustment screen is displayed.



4 Adjust the cut out image and then tap [Enter].

For how to adjust an image, see page 40. The cut out image is pasted onto the preview.



To cancel the operation

Tap [Cancel]. The cut out image is erased from the preview.

5 Adjust the size and position of the cut out image.

For how to adjust the cut out image, see the step 4 in page 52.

6 Tap [Enter].

The cut out image is fixed to the preview. The Tool top screen is displayed. You can use another tool, print the created image, or save it (page 48).

Note

Once you tap [Enter], you cannot move or delete the cut out image.

Pasting messages ( )

You can use the message tool to paste a selected message to the preview.

1 In the Tool screen (page 48), tap (Message tool).

The message selection screen is displayed.

To change the message color

The messages are printed in the color displayed in the [Select Color]. To change the color, tap [Select Color] to display the color selection window. Tap the desired color.

Continued

2 Tap the desired message.

The selected message in the selected color is pasted onto the preview.

To cancel the operation

Tap [Cancel]. The message is erased from the preview.

3 Adjust the size, position and angle of the message.

For how to adjust the stamp, see the step 4 in page 52.

4 Tap [Enter].

The message is fixed to the preview. The Tool top screen is displayed. You can use another tool, print the created image, or save it (page 48).

Note

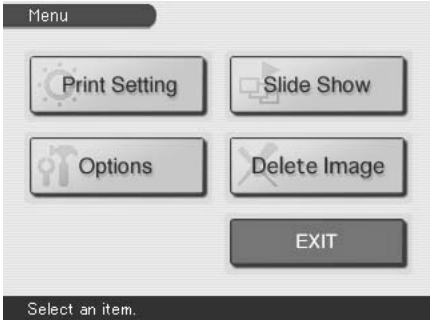
Once you tap [Enter], you cannot move or delete the message.

Setting up the printer (MENU)

What you can do with the Menu

The Menu allows you to change the printer settings, set up the screen, perform slide show, or delete images.

To display the Menu screen, tap [Menu] below the image list or preview screen:



Tap the Menu sub menu item and make the settings.

Items	Functions
Print Setting	Change the printing preferences including the Auto Fine Print 2, date print, print finish (border/borderless print, glossy/texture finish), or color settings. **(Page 58)**
Options	Sets the clock and beep. You can also adjust the LCD display contrast. **(Page 61)**
Slide Show	Performs a slide show of the images in the "Memory Stick" or PC card. **(Page 63)**
Delete Image	Deletes the selected image in the "Memory Stick" or PC card. You can also format the "Memory Stick." **(Page 64)**

To exit the Menu

Tap [EXIT]. The screen displayed before you entered the Menu screen is displayed.

Continued

Changing the print preferences (Print Setting)

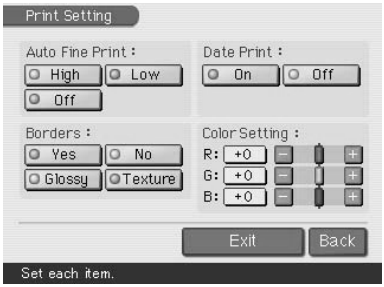
The Print Setting screen allows you to change the print preferences including Auto Fine Print 2, border/borderless print, print finish (glossy/texture), date print, and color setting.

1 Tap [Print Setting] in the Menu screen (page 57) .

The Print Setting window is displayed.

2 Tap the setting items you want to select.

The yellow circle indicates the setting item has been selected.
(*: Default settings)



Note

You cannot select the menu items that cannot be changed.

Items	Settings	Contents
Auto Fine Print 2	High/Low*	Corrects an image automatically for printing in better picture quality. You can select the level of adjustments between “High” or “Low”. When “High” or “Low” is selected, an image shot by an Exif Print (Exif 2.2)-compatible digital still camera is automatically adjusted to its optimum picture quality and printed. **Notes** • The image on the screen is not corrected. • When printing from a computer, the Auto Fine Print 2 function does not work.
	OFF	Prints an image without any corrections.

Items	Settings	Contents
Borders	Yes	Prints an image with borders around the image. **Note** Depending on an image, its top and bottom edges or right and left edges may be cut and printed.
	No*	Prints an image without blank space around the image. **Notes** • You cannot make borderless prints with Small (3.5 x 4 inch) size print paper. • When printing a standard 4:3 picture shot by a digital still camera, the top and bottom edges of the image are cut and it is printed as a 3:2 picture.
	Glossy*	Prints an image vividly with glossy finish.
	Texture	Prints an image softly with a uniform and uneven finish.
Date Print	On	Prints the shot date with an image when the image is a JPEG file recorded in the DCF (Design rule for Camera File system) format (page 96). To make a print with the shot date, please shoot an image in the JPEG file format. When the image is saved after edited with the printer, the saved date is printed. **Note** To record the date precisely, set the clock in advance (page 61).
	Off*	Prints an image without the date print data.

Continued

Items	Settings
Color Setting	Adjusts the color reproduction of the printer. Drag the adjustment slider of each color or tap [+] or [–] to set the level to a higher value (+1, +2) or a lower value (-1, -2). (*R: 0/G:0/B:0) **R:** Adjusts the red and blue elements. The higher you set the level, the picture becomes reddish as if it receives red light. The lower you set the level, the picture becomes darker with red fading as if light blue is added. **G:** Adjusts the green and purple elements. The higher you set the level, the picture becomes greenish as if it receives green light. The lower you set the level, the picture becomes darker with green fading as if red purple is added. **B:** Adjusts the blue and yellow elements. The higher you set the level, the picture becomes bluish as if it receives blue light. The lower you set the level, the picture becomes darker with blue fading as if yellow is added.

3 Tap [Back].

The Menu screen is displayed again.

To exit the menu

Tap [Exit]. The screen displayed before you entered the Menu screen is displayed.

Changing the printer preferences (Options)

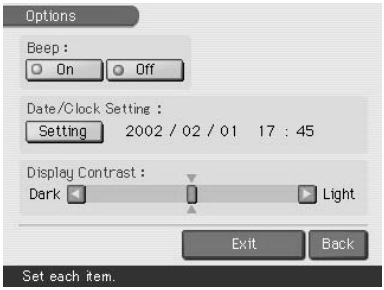
You can change the printer preferences and adjust the LCD screen contrast of the printer.

1 Tap [Options] in the Menu screen (page 57) .

The Options window is displayed.

2 Tap the setting items you want to select.

The yellow circle indicates the setting item has been selected.
(*: Default settings)



Note

You cannot select the menu items that cannot be changed.

Items	Settings	
Beep	On*	The warning and operation sound beeps.
	Off	No warning or operation sound beeps.
Date/Clock Setting	You can set the internal clock to record the date you saved the image in the "Memory Stick" or PC card. **1** Tap [Setting] to enter the clock setting mode. **2** Tap [▲] /[▼] to set the year. Tap [▲] to increase the number and tap [▼] to decrease the number. **3** Tap the month box (for NTSC) or the day box (for the PAL) and then tap [▲] /[▼] to set the month or day. **4** Set the day or month, the hour and minutes in the same way. **5** Tap [Enter] to start the internal clock. **Note** If you unplug the AC power cord, the clock setting will become invalid within a few hours. In this case, please set the clock again.	

Continued

Items	Settings
Display Contrast	Drag the adjustment slider or tap [◀]/[▶] or anywhere on the bar to adjust the LCD display contrast level. The adjusted level holds effective until you change the level.

3 Tap [Back].

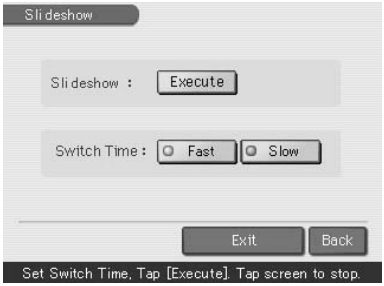
The Menu screen is displayed again.

To exit the menu

Tap [Exit]. The screen displayed before you entered the Menu screen is displayed.

Viewing a slide show

You can perform a slide show of the images saved in a “Memory Stick” or PC card.



1 Tap [Slide Show] in the Menu screen (page 57).

The Slide Show screen is displayed.

2 In the Switch Time line, tap [Fast] to switch images quickly or [Slow] to switch them slowly.

3 Tap [Execute].

The images in the “Memory Stick” or PC card are displayed one after another in the selected switch time like a slide show.

To stop the slide show

Tap anywhere on the screen. The screen that has been displayed before you select the Menu appears.

Notes

- When you select [Slow] in the Switch Time, it may take long for an image to be displayed depending on the image.
- You cannot view the slide show while the Creative Print or Effect menu is selected.
- You cannot display the images that are not displayed as thumbnails in the image list because they are damaged or for some other reason.

Deleting images

You can delete selected images in the “Memory Stick” or PC card. You can also format the “Memory Stick.”

Notes

- During deleting or formatting, do not turn off the power or remove the “Memory Stick” or PC card from the insertion slot. The “Memory Stick” or PC card may be damaged.
- If the “Memory Stick” or PC card is in write protect status, you cannot delete images or format the “Memory Stick.”
- When you select [Deleting Image], you cannot delete an image protected or preset by DPOF.
- An image, once deleted, will be lost forever. Before deleting an image, double-check that it is the right one.
- When formatting a “Memory Stick,” all the files including the image files will be deleted.
- You cannot format a PC card.
- You cannot delete an image while the Creative Print or Effect menu is selected.
- You cannot format or delete an image in the “Memory Stick-ROM”.

Deleting the selected images

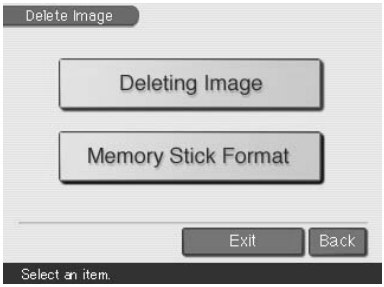
You can delete selected images in the “Memory Stick” or PC card.

1 Tap [Delete Image] in the Menu screen (page 57).

The Delete Image screen is displayed.

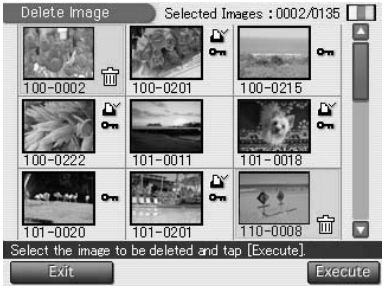
2 Tap [Deleting Image].

The image list is displayed.



3 Tap the image that you want to delete.

The selected image is displayed in yellow background with a trash icon. To delete multiple images at a time, repeat this step.



To cancel deletion

Tap [Exit].

4 Tap [Execute] .

The confirmation message is displayed.

5 Tap [Yes] to delete the selected image or [No] to cancel deletion.

The selected image is deleted and the image list is displayed.

6 To exit the Menu, tap [Exit].

The screen displayed before you enter the Menu screen is displayed.

Formatting a “Memory Stick”

You can format a “Memory Stick.” In step 2 in “Deleting the selected images” , tap [Memory Stick Format]. When the confirmation dialog box is displayed, tap [Yes] to proceed with formatting or tap [No] to cancel formatting.

Note

When you format a “Memory Stick”, all the images inside are deleted.

Using your printer with Windows computers

The supplied DPP-EX7 printer driver enables you to print an image stored on your computer with the Digital Photo Printer DPP-EX7. To print an image from the computer, you need commercially available printing application software.

System requirements

To use the supplied software, you need a computer that meets the following system requirements:

OS: Microsoft Windows 98/Windows 98SE/Windows Me/Windows 2000 Professional/Windows XP Home Edition/Windows XP Professional should be pre-installed.

Note

The operating system should be factory-installed. We cannot guarantee the operations for the above operating systems if they are upgraded from a former version of Windows.

CPU: MMX Pentium 233 MHz or above is recommended.

RAM: 64 MB or more is recommended.

Hard disk space: 200 MB or more is recommended. (It differs depending on the number of copies to be printed.)

Port: A USB port should be installed as standard.

Drive: CD-ROM drive (for software installation)

Notes

- We cannot guarantee printer operations when a hub is used or when two or more USB devices including other printer are connected to your computer.
- If you connect more than one DPP-SV88/SV77/SV55/MP1/EX7/EX5 printer at the same time, you cannot operate the printer.
- You cannot operate the printer from another USB device being used simultaneously.
- Do not remove or connect the USB cable from or into the printer during the data communication or printing. The printer may not work properly.
- The printer does not support system standby/hibernate mode of the computer. During printing, do not make your computer change to system standby/hibernate mode.
- We cannot guarantee operations with all the personal computers with the system requirements.

Installing the printer driver

Install the printer driver contained on the supplied CD-ROM to your computer.

1 Make sure that the printer **is not connected** to the computer.

2 Turn on your computer and start Windows.

- When installing or uninstalling the software in Windows® 2000 Professional, log on Windows as the user name of "Administrator" or "Power user".
- When installing or uninstalling the software in Windows® XP Professional/Home Edition, log on as a user name with the "Computer administrator" user account.

Notes

- Be sure to close all running programs before installing the software.
- The dialog boxes in this section are those in Windows XP Professional, unless otherwise specified. The installation procedures and the dialog boxes shown differ depending on the operation system.

3 Insert the supplied CD-ROM into the CD-ROM drive of your computer and double-click "Setup" in the CD-ROM.

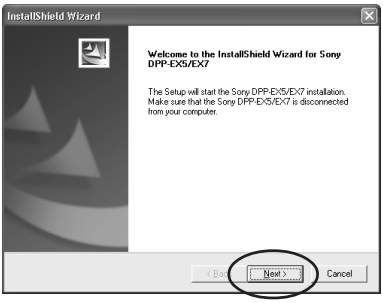
Notes

- If you connect the printer to your computer before installing the driver, the dialog box to request the driver is displayed. If this occurs, click "Cancel" to close the dialog box. Then remove the printer from your computer and redo the installation procedures.
- If you cancel the installation midway, do the installation procedures from the step 3.
- If the installation fails, remove the printer from your computer, restart your computer, and then do the installation procedures from the step 3.

Continued

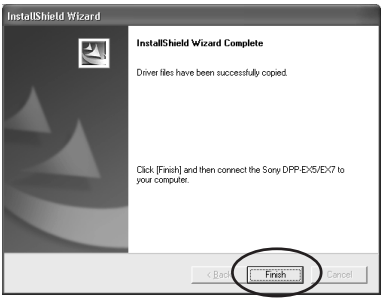
The “Sony DPP-EX5/EX7 Setup” dialog box appears.

4 Click “Next” to start installation.



Installation continues. When it is completed, the setup compete dialog box is displayed.

5 Click “Finish”.



6 Remove the CD-ROM from your computer.

7 Turn on the printer and then connect the USB connectors of the printer and your computer.

Note

Make sure to turn on your printer before connection.

8 Follow the instructions on the screen to set up the printer depending on the operating system you use.

The printer will be automatically set up.

Notes

- If you cancel the installation midway, do the installation procedures from the step 3.
- If the installation fails, remove the printer from your computer, restart your computer, and then do the installation procedures from the step 3.
- After installation, the “Sony DPP-EX7” is not set as the default printer. Set the printer you use for each application.
- The supplied CD-ROM will be required when you re-install or uninstall the printer driver. Keep it in good order for possible future use.
- Before you use the printer, read the Readme file (the Readme folder of the CD-ROM→English folder→Readme.txt).

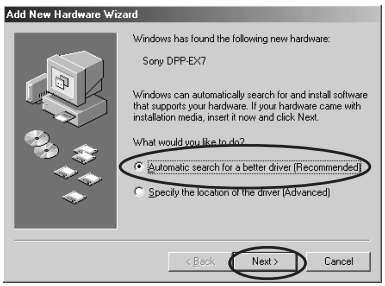
To check the installation

Open the “Printers and Faxes” (Windows XP Home Edition/XP Professional only) or “Printers” from the “Control Panel”. When the “Sony DPP-EX7” is displayed in the “Printers and Faxes” or “Printers” window, the DPP-EX7 has successfully installed.

When using the Windows Me

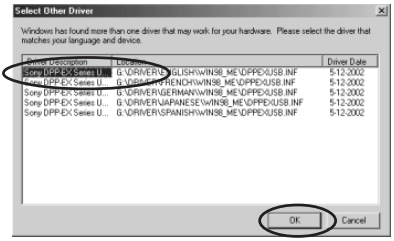
The “Add New Hardware Wizard” may be displayed during installation. If this occurs, follow the following procedures to proceed with installation:

① Check “Automatic search for a better driver” and then click “Next”. Insert the supplied CD-ROM into the CD-ROM drive of your computer.



The dialog box to select the driver language is displayed.

② Click the language of the driver you need to install, and then click “OK”.



③ Click “Finish”.

④ Remove the supplied CD-ROM from the CD-ROM drive of your computer.

Continued

Using your printer with Windows computers

Uninstalling the software

When the software becomes unnecessary, remove the software from your computer's hard disk as follows:

1. Disconnect the USB cable from your printer and the computer.
2. Open the "Printers and Faxes" (Windows XP Home Edition/XP Professional only) or "Printers" from the "Control Panel".
3. Right-click on "Sony DPP-EX7" in the "Printers and Faxes" or "Printers" window and select "Delete" from the short-cut menu.
   The confirmation dialog box is displayed.
4. Click "Yes".
   The relevant files are removed from your computer's hard disk.

Printing from an application software

You can use the "Print "command of an application software to print an image from your computer with the Digital Photo Printer DPP-EX7.
When using the Windows XP Home Edition/Professional, you can use My Pictures to print an image (page 73).

Notes

- **Before printing, make sure to connect the USB connectors of the printer and the computer. If you connect it after you start printing, the printer or the computer may not work properly.**
- This section explains the settings and operations with a typical application as an example. Depending on the application, print settings and operations may differ. For the details, refer to the manual of your application.
- The dialog boxes in this section are those in Windows XP Professional. They may differ depending on the operation system.
- To obtain the expected print performances, we suggest you use an application software that allows you to check the print preview. Use the application software to make the image size to 1644 x 2466 (dots) for the Post Card (4 x 6 inch) size, 1464 x 2064 (dots) for the 3.5 x 5 inch size, and 1137 x 1516 (dots) for the Small (3.5 x 4 inch) size. Also make the resolution to 403 dpi. Even after these adjustments, an image may be cut off or proper printed performances may not be obtained depending on the application software you use. If this occurs, adjust the image size smaller.

1 Start the application software that you use for printing, and select the image to be printed.

2 Click “Page Setup” from the “File” menu of the application.

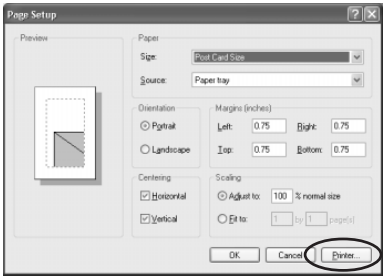
The “Page Setup” dialog box appears.

3 Set the printer.

The dialog box differs depending on the application.

① Click “Printer” .

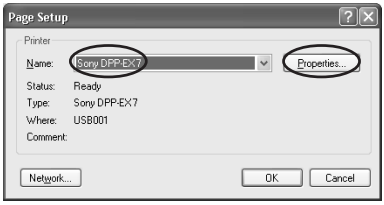
The “Page Setup” dialog box is displayed.



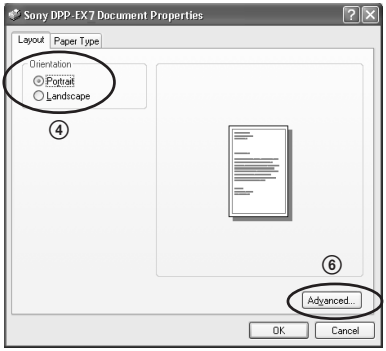
② Select “Sony DPP-EX7” as the name of the printer.

③ Click “Properties”.

The document properties window is displayed.

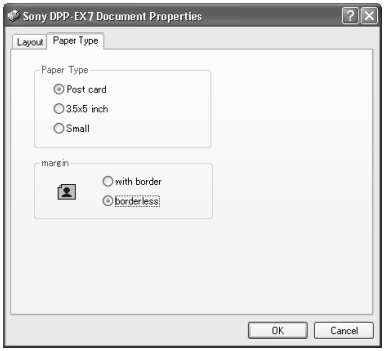


④ In the “Layout” tab, select the Orientation of an image either from “Portrait” to print it in portrait (tall) format or “Landscape” to print it in landscape (wide).



Continued

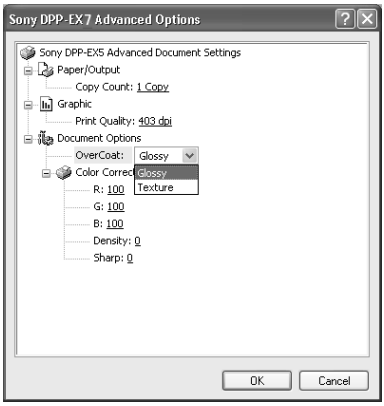
⑤ Click “Paper Type” tab and then set the paper according to the print paper size you would like to use for printing.



Paper Type	Select the paper size either from “Post card”, “3.5 x 5 inch” or “Small” according to the print paper size you use.
margin	When you select “Post card” or “3.5 x 5 inch” as the paper, select the print margin either from “with border” or “borderless”. (When you select “Small” paper, you cannot select borderless print.)

⑥ Click the “Layout” tab again and click “Advanced” in the dialog box in step ④.
The advanced options window is displayed.

⑦ Set the printer in details:



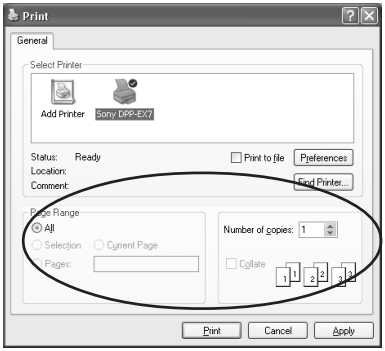
OverCoat	You can select finish from either “Glossy” or “Texture”.
Color Correction	You can set color tones, density and sharpness levels.

4 Click “OK”.

5 Click “Print” from the “File” menu of the application.

The “Print” dialog box appears.

6 Set the print range and copies.



Page Range	In “Pages” text box, enter the page numbers to start and end printing. To print all the pages, select “All”. To print the current page, select “Current Page”.
Number of copies	Enter the number of copies to be printed.
Cancel	Stops printing.

7 Click “Print”.

The printer starts printing. The DPP-EX7 printer monitor is displayed showing the printing process.

To print from My Pictures (when using the Windows XP Home Edition/Professional only)

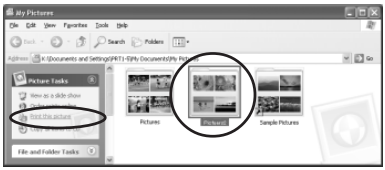
1 Insert the images that you want to print into “My Pictures”.

2 Select “My Pictures” from the “Start” menu.

The “My Pictures” window is displayed.

3 Select the folder that you want to print and then click “Print this picture”.

The photo printing wizard is displayed.



Continued

4 Click “Next”.

The picture selection window is displayed.

5 Check the images that you want to print and then click “Next”.

Please remove the checks for the images that you do not want to print.

6 Select “DPP-EX7” as the printer you use and then click “Printing Preferences”.

The document properties window in step ④ in page 71 is displayed.

Set the layout , paper type and the printer details in the same way as in the steps ④ through ⑦ on pages 71 and 72.

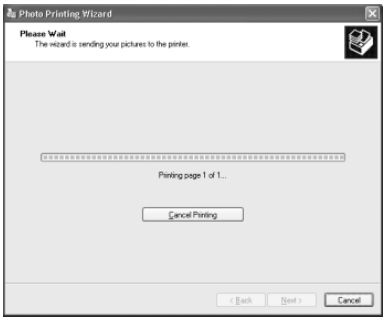
7 Click “OK”.

The photo printing wizard is displayed again.

8 Click “Next”.

9 Select the layout and print quantity and then click “Next”.

The data is transferred to the printer for printing. To stop printing, click "Cancel Printing".



10 When the completing photo printing wizard dialog box is displayed, click "Finish".

To stop printing

When a "printing" dialog box is on the screen

Click the "Stop" button or the "Cancel" button.

The printing job is canceled and the dialog box is closed.

When the data has already transferred to the printer queue

1 Open the "Printers and Faxes" (Windows XP Home Edition/XP Professional only) or "Printers" from the "Control Panel".

2 Double-click the "Sony DPP-EX7" icon.

The "Sony DPP-EX7" window is displayed. In the window, the documents in the queue for printing are listed.

3 Click the document you want to stop printing.

4 Click "Stop" or "Cancel" from the "Document" menu.

The document is removed from the list and the printing job is canceled. For the details, refer to the Windows documentation.

Note

If printing has already started and the print paper has already been loaded, do not cancel printing. Paper jam may occur. Please wait until the printing is completed.

Using your printer with Macintosh computers

The supplied DPP-EX7 printer driver enables you to print an image stored on your computer with the Digital Photo Printer DPP-EX7. To print an image from the computer, you need commercially available printing application software.

System requirements

To use the supplied software, you need a Macintosh computer that meets the following system requirements.

OS:	Mac OS 8.6/9.0/9.1/9.2/X (v10.1/v10.2) should be pre-installed.
Port:	A USB port should be installed as standard.
RAM:	128 MB or more is recommended.
Hard disk space:	100 MB or more is recommended. (It differs depending on the number of copies to be printed.)
Drive:	CD-ROM drive (for software installation)

Notes

- We cannot guarantee the printer operations when a hub is used or when two or more USB devices are connected to your computer.
- If you connect more than one DPP-SV88/SV77/SV55/MP1/EX7/EX5 printer at the same time, you cannot operate the printer.
- You cannot operate the printer from another USB device being used simultaneously.
- Do not remove or connect the USB cable from or into the printer during the data communication or printing. The printer may not work properly.
- We cannot guarantee operations with all the personal computers with the system requirements.

Installing the printer driver

When using Mac OS 8.6/9.0/9.1/9.2

1 Make sure that the printer is not connected to the computer.

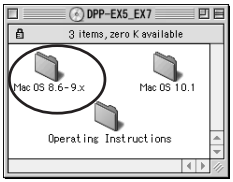
2 Turn on and start your Macintosh.

Note

Be sure to close all running programs before installing the software.

3 Insert the supplied CD-ROM into the CD-ROM drive of your computer.

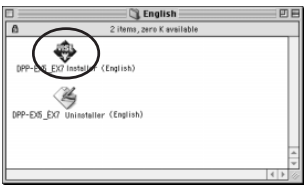
4 Double-click the "Mac OS 8.6-9.x" folder.



5 Select the software language by double-clicking the corresponding folder.

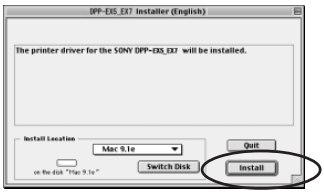
The selected language folder opens.

6 Double-click "DPP-EX5_EX7 Installer".



7 Click "Install".

Installation starts. When the installation is completed, the dialog box to notify the successful installation is displayed.



Continued

8 Remove the supplied CD-ROM from the CD-ROM drive of your computer.

Notes

- If you cancel the installation midway, do the installation procedures from the step 4.
- If the installation fails, remove the printer from your computer, restart your computer, and then do the installation procedures from the step 4
- The supplied CD-ROM will be required when you re-install or uninstall the printer driver. Keep it in good order for possible future use.

Uninstalling the printer driver

When the software becomes unnecessary, remove the software as follows: In step 6, click "Uninstaller".

When using Mac OS X (v10.1/v10.2)

1 Make sure that the printer is not connected to the computer.

2 Turn on and start your Macintosh.

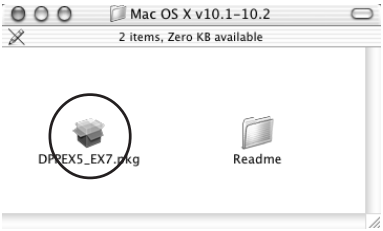
Note

Be sure to close all running programs before installing the software.

3 Insert the supplied CD-ROM into the CD-ROM drive of your computer.

4 Double-click the "Mac OS X v10.1-10.2" folder.

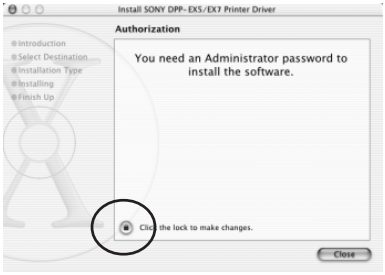
5 Double-click "DPPEX5_EX7.pkg".



6 Click .

Notes

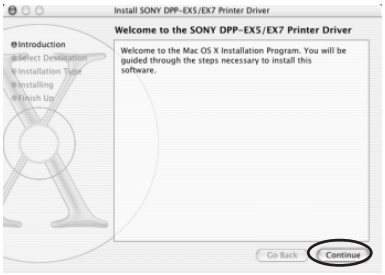
When you are using Mac OS X (v10.2), this dialog box will be not displayed.



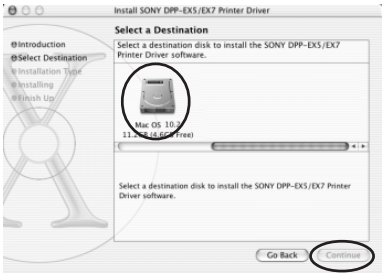
7 Enter the name and password of the computer administrator, and then click “OK”.

For the name and password, refer to the computer administrator.

8 Click “Continue”.



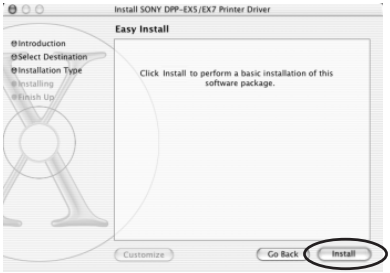
9 Click the location you install the driver and then click “Continue”.



Continued

10 Click “Install”.

Installation starts. When it is completed, the dialog box to notify the successful installation is displayed.



Note

If the driver has been previously installed, the “Upgrade” is displayed instead of “Install”. To delete the past installation information, delete “/Library/Receipts/DPPEX5_EX7.pkg”.

11 Click “Close”.

12 Remove the supplied CD-ROM from the CD-ROM drive of your computer.

Notes

- If you cancel the installation midway, do the installation procedures from the step 4.
- If the installation fails, remove the printer from your computer, restart your computer, and then do the installation procedures from the step 4
- The supplied CD-ROM will be required when you re-install or uninstall the printer driver. Keep it in good order for possible future use.

Uninstalling the printer driver

When the software becomes unnecessary, remove the software as follows:

1 Disconnect the USB cable from your printer and the computer.

2 Open “Print Center”, select “DPP-EX7” from the printer list and then click “Delete”.

Note

The “Print Center” is located in the “Utilities” folder of the “Application” folder.

Printing from an application software

You can use an application software to print images stored in your computer with the Digital Photo Printer DPP-EX7.

Notes

- **Before printing, make sure to connect the USB connectors of the printer and the computer. If you connect it after you start printing, the printer or the computer may not work properly.**
- This section explains the settings and operations with a typical application as an example. Depending on the application, print settings and operations may differ. For the details, refer to the manual of your application.
- The dialog boxes in this section are those in Mac OS X (v10.2). They may differ depending on the operation system.
- To obtain the expected print performances, we suggest you use an application software that allows you to check the print preview. Use the application software to make the image size to 1644 x 2466 (dots) for the Post Card (4 x 6 inch) size, 1464 x 2064 (dots) for the 3.5 x 5 inch size, and 1137 x 1516 (dots) for the Small (3.5 x 4 inch) size. Also make the resolution to 403 dpi. Even after these adjustments, an image may be cut off or proper printed performances may not be obtained depending on the application software you use. If this occurs, adjust the image size smaller.

1 Connect the printer to your computer and turn on the printer.

In a while, the printer is detected and ready for printing. When the printer is ready, the "DPP-EX5" is displayed in the printer list of the "Print Center".

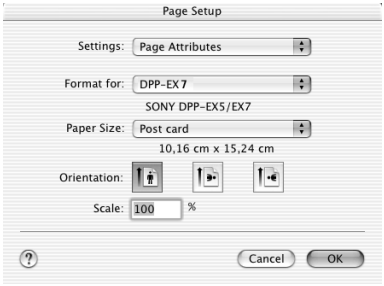
2 Start the application software that you use for printing, and select the image to be printed.

When using Mac OS 9.x

Open "Chooser" from the Apple menu, click "DPP-EX7", and then close the "Chooser".

3 Click "Page Setup" from the "File" menu of the application.

The "Page Setup" dialog box appears.



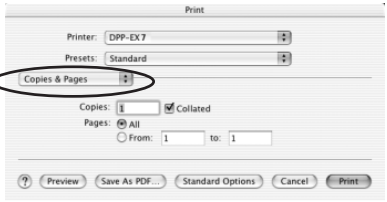
Continued

4 Choose the print settings.

Settings	Select “Page Attributes”.
Format for	Select “DPP-EX7” from the drop-down list box.
Paper Size	Select either of the following paper size from the drop-down list box. • Post card: When you use the Post Card (4 x 6 inch) size print paper to make a print with borders. • Post card (borderless): When you use the Post Card (4 x 6 inch) size print paper to make a print without border. • 3.5 x 5 inch: When you use the 3.5 x 5 inch size print paper to make a print with borders. • 3.5 x 5 inch (borderless): When you use the 3.5 x 5 inch size print paper to make a print without borders. • Small: When you use the Small (3.5 x 4 inch) size print paper to make a print with borders.

5 Click “OK” to close the dialog box and select “Print” from the “File” menu.

The “Print” dialog box appears.



6 Select the menu from the drop-down list box and make the print settings.

Menu	Item	Setting
Copies & Pages	Pages	To print all the pages, select “All”. To print part of the pages, specify the pages to start and end printing.
	Copies	Enter the number of copies to be printed.
Layout	Select the layout direction.	
General	Select OverCoat either from “Glossy” or “Texture”.	
Color Correction	You can set color tones, density and sharpness.	
Preview	Displays a preview of the image for printing.	

7 Click “Print”.

Printing starts. To stop printing, click “Cancel”.

Note

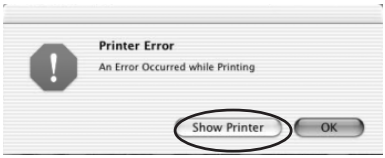
If printing has already started and the print paper has already been loaded, do not cancel printing. Paper jam may occur. Please wait until the printing is completed.

When an error occurs during printing in the Mac OS X (v10.1/v10.2)

If an error occurs, follow the procedures.

1 If the right dialog box is displayed, click “Show Printer”.

The error description is displayed.



Note

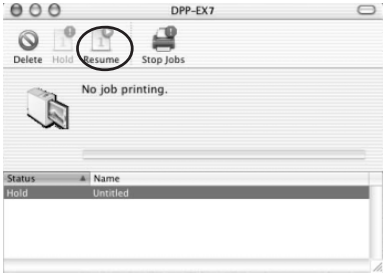
When you are using Mac OS X (v10.1), click “Show Queue”.

2 • To stop printing: Click “Delete Job”.

• To resume printing: Click “Stop Job”.

When you select “Stop Job”, the following dialog box is displayed.

3 Remove the error and select the job from the list box and then click “Resume”.



Note

When you are using Mac OS X (v10.1), click “Retry”.

Precautions

On safety

- Operate the printer on 120 V AC, 60 Hz (for the 120V area) or 220 to 240 V AC, 50/60 Hz (for the models for other areas) only.
- Be careful not to set or drop any heavy objects on the power cord, or to damage the power cord in any way. Never operate this printer with a damaged power cord.
- Should any solid object or liquid fall into the cabinet, unplug the printer and have it checked by qualified personnel before operating it any further.
- Never disassemble the printer.
- To disconnect the power cord, pull it out by the plug. Never pull the power cord itself.
- When the printer is not going to be used for an extended period of time, disconnect the power cord from the wall outlet.
- Do not handle the printer roughly.
- To reduce the risk of electrical shock, always unplug the printer from the electrical outlet before cleaning and servicing the printer.
- Take care not to scratch or damage your printer's LCD screen. Always use the supplied stylus or a plastic-tipped pointer to tap on the screen. Do not use a real pen, pencil, or other sharp object on the screen.
- Your printer's screen is made of glass. Do not drop or submit your printer to external shock.

On installation

- Avoid placing the printer in a location subject to:
  - vibration
  - high humidity
  - excessive dust
  - direct sunlight
  - extremely high or low temperatures
- Do not use electrical equipment near the printer. The printer will not work properly in electromagnetic fields.
- The printer is designed to operate horizontally. Never attempt to operate the printer in a tilted position.
- Do not place heavy objects on the printer.
- Leave enough room around the printer so that the ventilation holes are not blocked. Blocking these holes may cause internal heat build-up.

On moisture condensation

If the printer is brought directly from a cold location to a warm location or placed in an extremely warm or humid room, moisture may condense inside the unit. In such cases the printer will probably not work properly and may even develop a fault if you persist in using it. If moisture condensation occurs, turn off the power and do not use the printer for at least one hour.

On transport

When you transport the printer, remove the print cartridge, paper tray, the "Memory Stick" or PC card from the printer and put the printer and its peripherals in the original box with the protective packaging.

If you no longer have the original box and packing parts, use similar packing material so that the printer will not be damaged while being transported.

On cleaning

Clean the cabinet, panel and controls with a soft dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine, which may damage the finish.

On cleaning of the LCD display, please see page 12.

On restrictions on duplication

If duplicating documents with the printer, pay special attention to the following:

- Duplication of banknotes, coins, or securities is against the law.
- Duplication of blank certificates, licenses, passports, private securities, or unused postal stamps is also against the law.
- TV program, films, video tapes, others' portraits or other materials may be copyrighted. Unauthorized video printing of such materials may infringe the provisions of the copyright law.

About the “Memory Stick”

What is “Memory Stick”?

“Memory Stick” is small, light-weighted, and next-generation IC storage media with a larger capacity than a floppy disc. You can use the “Memory Stick” to exchange data among “Memory Stick” compatible devices. In addition, you can use the “Memory Stick” as a removable external storage device to save your data.

Types of “Memory Stick”

Following types of “Memory Stick” are available for versatile purposes.

- **“Memory Stick”**: “Memory Stick” can store all types of data except for the one that requires the “MagicGate” copyright protection technology.
- **“Memory Stick (with memory select function)”**: “Memory Stick (with memory select function)” incorporates multiple 128MB memory units, which can be selected by a user via a mechanical switch on the reverse side of the media. Each memory unit can be used to categorize various types of data. You cannot select multiple memory units together or continuously.
- **“MagicGate Memory Stick”** : “MagicGate Memory Stick ” employs the “MagicGate” copyright protection technology.
- **“Memory Stick PRO”** : “Memory Stick PRO” employs the “MagicGate” copyright protection technology and can be used only with “Memory Stick PRO” compliant devices.
- **“Memory Stick-ROM”**: “Memory Stick-ROM” is the read-only “Memory Stick” storing the data. You cannot save or delete its data.

On “Memory Stick Duo”

“Memory Stick Duo” is smaller than the standard-sized “Memory Stick”. When inserted into the Memory Stick Duo adaptor, the “Memory Stick Duo” is the same size as the standard-sized “Memory Stick”, and can be used with “Memory Stick” compliant devices.

- When using the “Memory Stick Duo” on the printer, make sure to insert the “Memory Stick Duo” into the Memory Stick Duo adaptor and then insert the adaptor containing the “Memory Stick Duo” into the printer.
- Before using the “Memory Stick Duo”, check the correct direction to insert the “Memory Stick Duo”. If you attempt to insert it in a wrong direction, the “Memory Stick Duo” and the printer may be damaged.
- Never insert the Memory Stick Duo adaptor that contains no “Memory Stick Duo” into a “Memory Stick”-compatible device. If you do, the device may be damaged.

Types of "Memory Stick" that the printer can use

With the printer, you can do the following operations for each type of "Memory Stick":

	Read	Write/Delete/ Format
"Memory Stick"/ "Memory Stick (with memory select function)"/"Memory Stick Duo"*2	OK	OK
"MagicGate Memory Stick"/"MagicGate Memory Stick Duo"*2	OK*1	OK*1
"Memory Stick PRO"	OK*1	OK*1
"Memory Stick-ROM"	OK	NO

*1 The printer cannot read/write the data subject to "MagicGate" copyright protection.

*2 Use the adaptor designed for the "Memory Stick Duo" you use.

We cannot guarantee the operations of all the "Memory Stick" media.

On data read/write speed

The data read/write speed differs depending on the combination of the "Memory Stick" and the device you use.

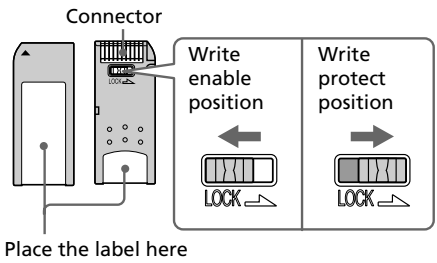
What is "MagicGate"?

"MagicGate" is the copyright protection technology that works when both the "Memory Stick" and the device employ the technology. The "MagicGate"-compatible device and the "MagicGate Memory Stick" attest that each other supports the "MagicGate" technology and encode the data they exchange.

The printer does not support the "MagicGate" standards and cannot read or write the data subject to the "MagicGate" copyright protection.

Notes on use

- When you slide the write protect switch to the write protect position, you cannot record, edit, or delete the data.
- When you slide the write protect switch of the "Memory Stick Duo", use a thin-pointed device.



Continued

About the "Memory Stick"

- Avoid removing the "Memory Stick" from the printer while the printer is reading or writing data.
- Data may be damaged in such occasions:
  - "Memory Stick" is removed or the printer is turned off while the printer is reading or writing the "Memory Stick" data.
  - "Memory Stick is used in a location subject to electrostatic or electronic noises.
- We recommend that you save backup of the important data.
- Attach the label designed for the "Memory Stick" only to the place for the label.
- When attaching the label, attach it to the place specified for the label. Make sure that the label does not overlap.
- When storing and carrying the "Memory Stick", keep it in its original case to ensure protection of important data.
- Avoid touching the connector of the "Memory Stick" or contacting it with a metal object.
- Do not drop, bend, or submit the "Memory Stick" to external shock.
- Do not disassemble or modify the "Memory Stick".
- Avoid getting liquids on the "Memory Stick" or using it in areas subject to high humidity.
- Avoid using or storing the "Memory Stick" in a location subject to:
  - extremely high temperature such as the hot inside of a car or the outdoors exposed to direct sunlight, or a place near a heater.
  - direct sunlight
  - high humidity
  - corrosive substances
- When formatting a "Memory Stick", use the format function of the printer or your digital still camera. If you format a "Memory Stick" with your computer, images may not be displayed properly.

About the PC card

The printer can read and write a PC card (PCMCIA ATA compatible type II flash memory cards with a power specification of 5V or 3.3/5V). By using a commercially available PC card adaptor, you can also use Smart Media and other types of compact flash memory cards.

Notes on use

- You cannot use PC cards with a power specification of 3V (3.3V) only.
- Do not insert other types of PC card into the printer's insertion slot. The printer may be damaged.
- Do not drop, bend, or submit the PC card to external shock.
- Do not disassemble or modify the PC card.
- Avoid getting liquids on the PC card or using them in areas subject to high humidity. Otherwise, data may be rendered unreadable.
- Avoid using or storing the PC card in a location subject to:
  - extremely high temperature such as the hot inside of a car or the outdoors exposed to a direct sunlight, or a place near a heater.
  - direct sunlight
  - high humidity
  - corrosive substances
  - excessive dust
  - electrostatic or electronic noises
  - magnetic fields
- When storing and carrying the PC card, keep it in its original case to ensure protection of important data.
- Avoid removing the PC card from the insertion slot or turning off the power of the printer while the printer is accessing the PC card. Otherwise, data may be rendered unreadable.
- When using a compact flash card or Smart Media, use a commercially available PC card adaptor that is compatible with the card. Insert the card into the adaptor and then insert it into the printer. For how to install the card and adaptor, refer to the operating instructions of the PC card adaptor.
- Avoid inserting or removing the compact flash card or Smart Media into or out of the PC card adaptor while the PC card adaptor is inserted in the printer. The data may be rendered unreadable or erased.

Troubleshooting

If you run into any problems using the printer, use the following guidelines to solve the problem. If the problem persists, consult your Sony dealer.

When you are printing from your computer, also refer to the computer manual.

Cannot operate the printer after the power switch is turned on.

→ Connect the AC power cord to an AC outlet securely.

The LCD screen of the printer displays no images.

→ Insert a "Memory Stick" or PC card securely. Check that images recorded by a digital still camera or other device are recorded.

→ Make sure that the PC input indicator is not lit.

→ Press the INPUT SELECT button to turn on the "MEMORY STICK" or PC CARD indicator.

Cannot print.

→ Insert the correct set of print cartridge and print paper.

→ Check that the paper tray has paper.

→ The thermal head may be overheated. Leave the printer until the head cools down and the printer resumes printing.

→ Remove the jammed paper, if any.

An image in the image list is not properly displayed or printed.

→ If the image is displayed but can not be printed, the file used for printing is damaged.

→ If the mark shown on the right is displayed in the image list, the image is a JPEG file created with your computer, or the thumbnail data of the image is damaged.

Tap the mark and if a preview image is displayed, you can print the image. If the same mark is displayed again as a preview, the image is stored in an incompatible file format that the DPP-EX7 does not support or the image itself is damaged.

→ An image which is damaged or has some kind of problem will not appear in the image list. A file error message appears. If there are no images stored in the "Memory Stick" or PC card, the no file message appears on the display.

→ If an image is not compatible with DCF (Design rule for Camera File system), it may not be printed with the printer even if it is displayed on the PC monitor.

→ The printer can handle and display up to 9,999 image files. If there are more than 9,999 images stored in the "Memory Stick" or PC card, use the computer to display and handle the remaining images.

→ Depending on the type of digital still camera used, the aspect ratio of the recorded image differs, so the image may not be printed covering the entire printable area.

→ Depending on the type of digital still camera used, preview images may be displayed along with the primary images in the thumbnail list. The printed quality of the preview images will not be as good as the primary images. Note that if you delete the preview images, the data for the primary images may be damaged.

→ Depending on the type of digital still camera used, the image may be stretched vertically if it has been rotated or processed using your digital still camera. This is not because of trouble with the printer, but because the image was rewritten using your digital still camera.

→ Some types of PC card adaptor that are not compatible with PCMCIA ATA cannot be used with this printer.

→ When you name or rename an image file on your computer and its file name includes characters other than alphanumeric characters, the file name may not be displayed correctly or the image may not be displayed (read error) on the printer.

The beeps sound.

→ Check that you are following the correct procedures.

Cannot remove the print cartridge.

→ Turn the printer off then on. After the motor sound stops, try to remove the cartridge.

If this does not solve the problem, contact Sony service facilities or your Sony dealer.

The or indicator is lit or an error message is displayed.

→ Follow the instructions on the screen.

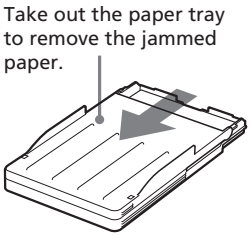
There is a white line or dots in the printed pictures.

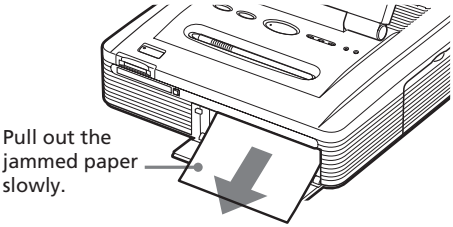
→ The print head or paper path may be soiled. Use the supplied cleaning kit to clean the head and path (page 92).

Continued

If paper jams

If the print paper jams, the ⊐ paper error indicator lights and an error message is displayed. Printing stops. Turn the printer off and remove the jammed paper from the paper outlet or take out the paper tray to remove the jammed paper.





Note

If you cannot remove the jammed paper, contact your Sony dealer.

Cleaning the inside of the printer

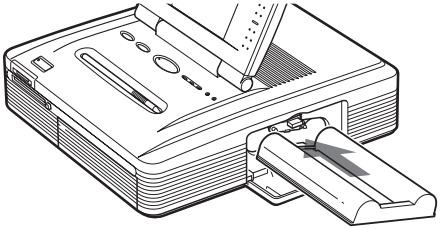
If white lines or dots are printed on the pictures, use the supplied cleaning cartridge and paper to clean inside the printer.

Notes

- Make cleaning only when there are white lines or dots on the print.
- When you can obtain proper printing performances, cleaning will not improve the printed picture quality.
- With the supplied cleaning kit, you can make cleaning for the maximum of about 20 times. As the number of cleaning times increases, the cleaning paper loses its cleaning effect.
- Do not place the cleaning paper on the print paper, which may cause paper jam or other troubles.
- If a cleaning does not improve printed picture quality, please make cleaning a couple of times.
- You can also make cleaning with the protective sheet contained in the printing pack designed for the DPP-EX7. To use the protective sheet for cleaning, insert the paper with its imprint surface facing down into the tray.

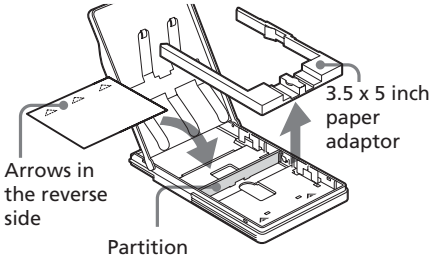
1 Open the cartridge compartment lid and remove the print cartridge (page 18).

2 Insert the supplied cleaning cartridge (white) into the printer and close the cartridge compartment lid.



3 Remove the paper tray from the printer. If there is print paper in the tray, remove the print paper from the tray.

4 Remove the 3.5 x 5 inch paper adaptor and stand the partition up. Place the supplied cleaning paper with the no-imprint side facing up and the arrow pointing in the same direction as the arrow in the tray. Insert the paper behind the partition.



5 Set the paper tray into the printer and press the PRINT button.

The cleaning cartridge and cleaning paper will clean inside the printer. After the cleaning is finished, the cleaning paper is automatically ejected.

6 Remove the cleaning cartridge and cleaning paper from the printer and set the print cartridge and print paper.

Keep the cleaning cartridge and cleaning paper together. With a sheet of cleaning paper, you can make cleaning for the maximum of about 20 times.

Specifications

Printing method

Dye sublimation printing (Yellow/Magenta/Cyan 3 pass)

Resolution

403 (H) x 403 (V) dpi

Image processing per dot

256 levels (8 bits for each Yellow/Magenta/Cyan), approx. 16,770,000 colors

Printing size

Post Card (4 x 6 inch) size:

101.6 x 152.4 mm (maximum, borderless)

3.5 x 5 inch size:

89 x 127 mm (maximum, borderless)

Small (3.5 x 4 inch) size:

71.7 x 95.5 mm (maximum)

Printing time (per sheet)

Post Card (4 x 6 inch) size:
approx. 90 seconds

3.5 x 5 inch size:
approx. 75 seconds

Small (3.5 x 4 inch) size:
approx. 60 seconds

(excluding the time for data processing and data transferring from the personal computer or "Memory Stick" or PC card)

Input/output connectors

USB connector (1)

Slot

"Memory Stick" insertion slot (1)
PC card insertion slot (PCMCIA II) (1)

Compatible image file formats[*1]

DCF[*2]: Exif Ver. 2.1/2.2[*3], JPEG compatible, TIFF[4]-RGB (non-compressed)

JPEG: 4:4:4, 4:2:2, 4:2:0 (baseline JPEG)

BMP: 24 bits full color, Windows format

JFIF

(Note that some versions of the file formats may not be compatible.)

Recording image format

DCF compatible: Exif ver. 2.2, JPEG compatible

Maximum number of pixels to be handled

JPEG: 6,400(H) x 4,800(V)

BMP: 5,400(H) x 4,050(V)

TIFF: 4,800(H) x 3,600(V)

Maximum number of files to be handled

9999 files per a "Memory Stick" or PC card media

Print cartridge/Print Paper

See "Preparing the printing pack" on page 17.

LCD display

3.8 inch transparent STN color display

320 x 240 x RGB

Power requirements

120 V AC, 60 Hz, 1.12 A
(for the 120 V areas)

220 - 240 V AC, 50/60 Hz, 0.6A
(for 220 to 240 V areas)

Power consumption (standby mode)

Approximately 1 W

Operating temperature

5 °C to 35 °C (41 °F to 95 °F)

Dimensions

Approx. 242 x 87 x 267 mm (w/h/d, excluding protruding parts)

(9 5/8 x 3 1/2 x 10 5/8 inches)

(363 mm (14 3/8 inches) of depth when the paper tray is installed.)

Mass

Approx. 2.4 kg (5 lb 5 oz)

(excluding the 0.1 kg (4 oz) paper tray)

Supplied accessories

See "Unpacking the printer" on page 8.

Design and specifications are subject to change without notice.

*1: Some special file types are not compatible.

*2: "DCF" stands for Design rule for Camera File system.

*3: "Exif" is an image file format containing an image data added with its thumbnail data for viewing, shot date data and the shooting conditions data.

*4: The printer functions may be limited for a TIFF file.

Customer support home page

The latest support information is available at the following homepage addresses:

For the customers in the U.S.A.:
http://www.sel.sony.com/SEL/service/conselec/
For the customers in Canada:
http://www.sony.ca/service
For the customers in Europe:
http://www.sony-imaging.com/support
For the customers in Singapore:
http://www.css.ap.sony.com

Glossary

Auto Fine Print 2

The function automatically corrects the picture quality so that an image may be printed in more vivid, clear and beautiful pictures. It is especially effective for a darker image with low contrast. The pictures are corrected to reproduce natural skin colors, vivid tree leaf green, or clear sky blue.

DCF (Design rule for Camera File system)

The standard specified by JEIDA (Japan Electronic Industry Development Association) to maintain the file exchangeability and compatibilities between digital still cameras and related products.

DPOF (Digital Print Order Format)

The format used to record the information necessary for automatically printing images shot by a digital still camera at a printing shop or with a home-use printer. The printer supports DPOF printing and can automatically print the preset number of copies of the DPOF preset images.

Exif 2.2 (Exif Print)

Exif (Exchangeable image file format for digital still cameras) Print is a global standard for digital photo printing. A digital still camera supporting Exif Print stores the data relevant to the conditions of shooting as each shot is taken. The printer utilises the Exif Print data stored in each image file to ensure the printed result matches the original shot as closely as possible*1.

*1 When the "Auto Fine Print 2" is enabled and an image (JPEG file) is shot by an Exif Print (Exif 2.2)-compatible digital still camera, the image is automatically adjusted to its optimum picture quality and printed.

"Memory Stick"

A next-generation, compact, light, removable storage media used with a digital still camera, video camera, or PC. In its compact body, it can record a larger volume of data than a floppy disc can. You can use it to exchange data among "Memory Stick" ready devices and also use it as removable and external storage medium.

Thumbnails

Miniature images for representing the original images that are stored in the image files taken by a digital still camera. The printer uses thumbnails in the image list.

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